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## SYMBOLS

$A_{lc}, B_{ls}$	lateral and longitudinal cyclic pitch coefficients from the Fourier equation, deg
b	span of free tip, m
c	blade chord, m
c.g.	center of gravity
$C_L/\sigma$	rotor-lift coefficient, $(\text{rotor lift})/\rho S(\Omega R)^2$
$C_p/\sigma$	rotor power coefficient, $(\text{torque})\Omega/\rho S(\Omega R)^3$
$F_{CF}$	centrifugal force, N
$M_c$	control moment, N·m
m	mass of tip, kg
R	rotor radius, m
$r_b$	radial distance from rotor hub center line to measurement station, m
rpm	revolutions per minute
S	planform area of rotor blades, $\text{m}^2$
V	free-stream velocity, m/sec
$\bar{X}$	rotor propulsive force coefficient, $(-\text{drag})/2\rho V^2 S/\pi$
$\Delta\theta$	tip pitch angle relative to the inboard portion of blade, positive nose up, deg
$\theta$	total pitch angle of tension-torsion strap, deg
$\theta_{pt}$	pre-twist angle of tension-torsion strap, deg
$\theta_{0.75}$	blade pitch angle at 0.75 R, deg
$\mu$	advance ratio, $V/\Omega R$
$\rho$	density of air, $\text{kg}/\text{m}^3$
$\sigma$	solidity of rotor, $S/\pi R^2$

$\phi$  strap helical angle, deg  
 $\psi$  azimuth angle, deg  
 $\Omega$  rotor rotational speed, rad/sec

## SUMMARY

This report presents the results of a wind-tunnel test of the free-tip rotor. The free tip extended over the outer 10% of the rotor blade and included a simple, passive controller mechanism. Wind-tunnel test hardware is described. The free-tip assembly, which includes the controller, functioned flawlessly throughout the test. The tip pitched freely and responded to airflow perturbation in a sharp, quick, and stable manner. Tip pitch-angle responses are presented for an advance ratio range of 0.1 to 0.397 and for a thrust coefficient range of 0.038 to 0.092. The free tip reduced power requirements, loads going into the control system, and some flatwise blade-bending moments. Chordwise loads were not reduced by the free tip.

## INTRODUCTION

A major goal of helicopter research is to develop the technology that will lead to improved performance and reduced vibration. To this end, rotor-blade tips are the subject of a great deal of study because the tip can affect both performance and vibration. One proposed tip design is the free-tip, which may improve performance, limit oscillatory rotor loads, and reduce vibration.

In the free-tip design, the tip is separated from the rest of the blade; the tip is free to pitch independently of the inboard portion of the blade; the pitch axis is forward of the aerodynamic center; and a control moment is applied about the pitch axis. The design is shown in figure 1.

These features add a new pitch degree of freedom to the tip's motion, which allows the tip to weathervane into the tip's relative wind to produce a moment balance about the pitch axis. The tip weathervanes about a prescribed null point that results in a finite pitch moment and, consequently, in a nonzero lift of the tip. Therefore, the free-tip may generate a lift level that is nearly constant as it goes around the azimuth.

The purpose of this report is to present the results of the first wind-tunnel test of the free tip in which it was shown that the free tip can provide significant advantages. These test results are presented in tabular form and in plots that summarize key areas. An analysis of the results is presented in reference 1; other material pertaining to the free-tip configuration is presented in references 2 through 9.

## MODEL DESCRIPTION

A four-bladed, 5.09-m-diam, Mach-scaled model rotor was modified to incorporate the free-tip design. The complete rotor with the free tip is shown in figure 2 as it was installed in the Boeing-Vertol 20- by 20-ft wind tunnel.

Figures 3 and 4 show the tip region of the blade that was modified to incorporate the free tip. A steel pitch shaft, installed at the tip's 13% chord line; transferred the tip bending and shear loads to the inboard portion of the blade and also served as the pitch axis about which the tip was free to oscillate. The pitch shaft was hollow to allow a concentric inner shaft to grip the free tip and extend into the inboard portion of the blades where it was attached to the controller mechanism. The inner shaft retained the tip against centrifugal force and transmitted the pitch-control moment to the tip. The tip is retained using a locknut arrangement in which the "nut" is an integral part of the free tip and is clamped to the threaded end of the inner shaft. A Rulan bearing minimized the frictional forces between the free tip and the pitch shaft.

The controller mechanism is a simple, wire-wound tension-torsion strap. A continuous, high-strength, 0.152-mm-diam wire was wrapped 275 times around two spools placed 5.71 cm apart. One spool was fixed to the inboard portion of the blade and the other was attached to the inboard end of the inner shaft with a clevis joint. The straps were encased in an elastomer material which kept them separated while they underwent angular deflections greater than 90°. Without the elastomer separator, the distance between the straps would decrease, with the output torque decreasing up to 40%. This would be unacceptable. Large angular deflections between the two spools were an integral part of the design criteria (maximum  $\theta$  was 150°). The straps were fatigue-tested over more than 2 million pitch-change cycles of  $\pm 10^\circ$  while carrying the full design tension load and pretwisted to 125°.

The controller carries the tip's full centrifugal force and uses it to produce most of the desired control moment. Control moment is produced by the centrifugal force acting on the torsionally twisted straps. In the application of control moment to the free tip, an invariant control moment with tip-pitch deflection was the ideal goal. However, the control-moment variation  $\Delta M_c / \Delta \theta$  was 0.0615 N·m/deg (from fig. 5) over a 10° range of  $\Delta \theta$ ; this is 9% of the design value of 6.78 N·m/deg and was acceptable. Also, the  $\pm 1.9\%$  variation owing to hysteresis was considered to be acceptable.

The spanwise distribution of blade weight and its offset from the elastic axis are presented in figure 6 for the outer 20% of the blade. A tip design criterion was for the tip center of gravity (c.g.) to be on the pitch axis at 0.13 c. However, space and volume restrictions prevented the c.g. from being on the pitch axis, and the tip c.g. was located at 0.14 c. The spanwise location of the free tip c.g. was 0.927 R.

The blade had a 0.171-m chord, a constant V23010-1.58 airfoil, and -9.45° linear twist from center of rotation out to and including the tip. The tip had a

V23010-1.58 airfoil with a 5.8% chord tab added to match the basic blade airfoil. The 0.1-R tip was constructed of a Nomex core and magnesium spar covered with Fiberglas. Figures 7(a) and 7(b) show close-up views of the free tip. A doubler was added to the upper and lower surfaces of the inboard portion of the blade just inboard of the tip itself. The doubler enabled machine countersinking of the screws attaching the base of the steel pitch shaft to the blade spar. For chordwise mass balance, tantalum balance weights were inserted in the space ahead of the pitch axis. Table 1 presents a summary of the rotor dimensional characteristics.

The fixed-tip configuration was the free-tip configuration with a pin inserted to prevent the tip from pitching relative to the inboard blade. The pin was located at the 25% chordline where it spanned the gap between the tip and the inboard portion of the blade.

#### DYNAMIC ANALYSIS

The calculated natural frequencies of the uncoupled blade are presented in figure 8 as a function of rotor speed. These frequencies were calculated using the transfer-matrix method. This method employed 25 lumped masses with each mass having 5° of freedom: flapping, lead-lag, torsion, flap-bending, and chordwise-bending. Although these frequencies are for a fixed-tip configuration, the flatwise and chordwise frequencies are also applicable to the free-tip configuration, since the mass, center of gravity, and moments of inertia of the two tips are the same.

#### INSTRUMENTATION

Instrumentation for the main blade consisted of four flap-bending gauges at 0.13 R, 0.18 R, 0.38 R, and 0.53 R and one chord-bending gauge at 0.18 R. Additional flapwise- and chordwise-bending gauges were located at 0.9 R and on the base of the shaft about which the tip pitches. Shaft torque was measured using torque gauges on the rotor drive shaft.

Blade flapping motion about the flapping hinge was continuously measured by transducers placed at the flap hinge of the instrumented blade. The angle of the tip relative to the main blade was measured by a Hall-effect device. This device incorporated a tiny magnet on the free tip that modulated an electric current through a semiconductor mounted on the inboard portion of the blade.

#### ROTOR TEST STAND AND WIND TUNNEL

The free-tip rotor was tested on Boeing Vertol's dynamic rotor test stand, which incorporates an electrical power supply and a six-component balance. Front

and side views of the test stand set up in the tunnel are presented in figure 9. The test was conducted in the Boeing Vertol 20- by 20-ft V/STOL wind tunnel. The wind-tunnel test section was configured with slotted walls, ceiling, and floor to give 10% porosity for forward flight testing.

#### TEST CONDITIONS AND PROCEDURES

The prime objective of the wind-tunnel test was to evaluate the free-tip configuration relative to a similar fixed-tip configuration. To make possible an effective comparison, the fixed- and free-tip configurations were evaluated at a prescribed propulsive-force coefficient and minimized cyclic blade flapping, with rotor-lift coefficient or advance ratio being the variables. Rotor-lift sweeps were made at  $V/\Omega R = 0.3$  and  $\bar{X} = 0.05$ . These data gave an indication of the maximum lift coefficient attainable with the free-tip rotor. An advance-ratio sweep was conducted from 0.2 to 0.4 at  $C_L/\sigma = 0.07$ ,  $\bar{X} = 0.05$ , and minimized flapping. This provided a simulated speed-power polar at a typical design lift coefficient and at a propulsive-force coefficient representing the equivalent flat-plate drag area of a relatively low-drag helicopter. Rotor-tip speed was held constant at 213 m/sec, the normal tip speed for this rotor. In addition, the free-tip rotor-test envelope was expanded to include advance ratios down to 0.1 to test the tip's behavior in that turbulent environment.

Data from this test were limited because of resonance problems in the test rig itself. The rig developed an lateral resonance part way through the test. With the blades off, the resonance was found to be sensitive to rpm, with the test rpm of 796 very near the resonance peak. In addition, resonance amplification increased further when the rotor shaft was tilted forward from the zero shaft-angle position. The resonance amplification was reduced to zero at 552 rpm, which is a tip speed of only 147 m/sec. This tip speed was too low to provide rotor performance and loads information suitable for realistic evaluation of this free-tip configuration (compressibility characteristics cannot be evaluated at lower speeds). Because data for 147-m/sec tip speed do not include compressibility effects, the only useful test data are limited to the 213-m/sec set included herein.

Each data point was set (1) by setting rotor-tip speed and desired advance ratio, and (2) by adjusting collective pitch, cyclic controls, and shaft angle to achieve the desired rotor lift and propulsive-force coefficient, and to minimize first harmonic flapping. All these variables were displayed in real time for the rotor pilot to use in setting the test point. During the rotor-lift sweep, the maximum  $C_L/\sigma$  attainable was determined by oscillatory blade-load limits. During the advance-ratio sweep, the maximum attainable advance ratio was determined by oscillatory blade loads or power limits.

The controller output moment was 6.0 N·m at the test tip speed of 213 m/sec for the free-tip configuration. This control moment was determined from a pretwist angle,  $\theta_{pt}$  of 100° and the tension-torsion strap calibration curve of figure 5.

The tension-torsion strap pretwist angle was set at  $-50^\circ$  for the fixed-tip configuration. This was done to remove the possibility of the negative aerodynamic lift causing the tip to deflect nose-up. It was expected that a nose-up deflection of the tip would cause greater tip drag, as was reported in reference 1. With the tip drag being greater at  $\Delta\theta > 0$ , the fixed-tip configuration would require more power and would appear less power efficient than the free-tip configuration. By applying a negative control moment with  $\theta_{pt} = -50^\circ$ , and as long as the negative control-moment balances the positive sum of aerodynamic and inertial moments, then  $\Delta\theta$  would likely be slightly negative ( $-5 < \Delta\theta < 0$ ). With  $\Delta\theta$  slightly negative, the fixed-tip power requirements could be slightly less than if  $\Delta\theta = 0$ . Thus, any power benefits associated with the free tip could be slightly conservative, not optimistic.

## DATA REDUCTION

### Balance Data

Six component forces and moments were measured by the strain-gauge balance in the rig, 0.444 m below the rotor hub center. All forces and moments were referred to the hub center. Balance forces and moments were sampled every  $7.5^\circ$  of azimuth for each rotor revolution. For each data point, the data from 10 rotor revolutions were averaged and the steady balance output determined.

The data from this test were corrected for hub tares. Hub tares were obtained from blades-off testing over the range of dynamic pressures and shaft tilt angles used in blades-on testing. Included in the hub tares was the interference effects of the non-metric test rig on the hub drag itself. No wind-tunnel wall corrections were applied to the data. Blockage corrections were applied to correct free-stream velocity. In addition, the fixed-tip power coefficients for the advance-ratio sweep were further corrected to correlate with the two runs of the lift-coefficient sweep for the fixed tip. These corrections for rotor-lift and propulsive-force increments and repeatability are presented below (Data Presentation).

### Loads Data from Rotating System

Loads data from the blades and pitch links were obtained with strain-gauge bridges. These loads were sampled every  $7.5^\circ$  of azimuth of each rotor revolution. For each data point, the data from 10 rotor revolutions were averaged and then the averaged sum was harmonically analyzed. The averaged data were also used to extract peak-to-peak amplitudes, minimum and maximum values, and the azimuthal location of the maximum value.

## DATA PRESENTATION

The data from this test are presented in graphical and tabular forms. The graphical presentation summarizes the highlights from the test with comparisons of the free-tip and the fixed-tip configurations. Figure 10 presents a comparison of power coefficients over a lift-coefficient sweep and over an advance-ratio sweep. The rotor-power data reflects standardized trim conditions of propulsive-force coefficient  $\bar{X} = 0.05$  and lift coefficient  $C_L/\sigma = 0.07$ , when appropriate. Corrections were applied to the data to compensate for small increments from the standardized conditions. The applied corrections are presented as follows:

To correct for rotor-lift increment from  $C_L/\sigma = 0.07$ :

$$\Delta C_p/\sigma = [(0.07)^2 - (C_L/\sigma)^2]\sigma/2(V/\Omega R)$$

To correct for rotor propulsive force increment from  $\bar{X} = 0.05$ :

$$\Delta C_p/\sigma = (0.05 - \bar{X})2(V/\Omega R)^3/\pi$$

Since test lift and propulsive-force coefficients were very close to the standardized condition, corrections were 1% or less for the whole test. Also, the power coefficients were increased incrementally by  $\Delta C_p/\sigma = 0.0004$  for the fixed-tip configuration in the advance-ratio sweep to yield consistent data. This allowed correlation at  $V/\Omega R = 0.305$  with the two runs of the fixed-tip lift-coefficient sweep made at that advance ratio.

Figure 11 presents a comparison of oscillatory flatwise-bending moments at various blade stations during a lift-coefficient sweep at  $V/\Omega R = 0.305$ . In figure 12, the oscillatory flatwise-bending moments during an advance-ratio sweep are compared, and figure 13 compares the oscillatory chordwise-bending moments over both a lift-coefficient sweep and an advance-ratio sweep. Figures 14 and 15 present the collective and cyclic control settings for the lift sweep and the advance-ratio sweep, respectively. Figure 16 presents the effect of the free tip on pitch-link loads over both a lift-coefficient sweep and an advance-ratio sweep.

The free tip's relative pitch angle  $\Delta\theta$  as a function of azimuth position is presented in figures 17 and 18. Figure 17 presents the tip's  $\Delta\theta$  azimuthal history as a function of rotor lift coefficient at  $V/\Omega R = 0.305$ . Figures 18(a) through 18(g) show the influence of advance ratio on the tip  $\Delta\theta$  azimuthal variation. In figures 17 and 18, the  $\Delta\theta$  azimuthal characteristics over one rotor revolution were repeated for the second revolution. This was done to facilitate visualization of the trends at azimuth positions between 270° and 90°.

The tabulated data present all the data taken during a test run. The tabulated data are presented first by tip configuration and second by run number. The data for each run are subdivided into three data blocks:

1. Block A includes tunnel conditions, control settings, rotor-performance coefficient, and rotor-moment coefficients. Wind-axis and shaft-axis data are included both with and without tare corrections applied.
2. Block B includes mean and peak amplitude analysis of the strain-gauge data.
3. Block C includes the harmonic analysis results for the strain-gauge data. The harmonic analysis data are presented in two forms, as coefficients of the sine and cosine terms for each harmonic, and as magnitude and phase angle of the resultant vector for each harmonic.

Tables 2-4 present a glossary of terms used for the computer-generated headings for data blocks A, B, and C, respectively. The data for a lift sweep are presented in tables 6 and 7 for the free-tip and fixed-tip configurations, respectively; likewise, data for an advance-ratio sweep are presented in tables 8 and 9.

#### CONCLUDING REMARKS

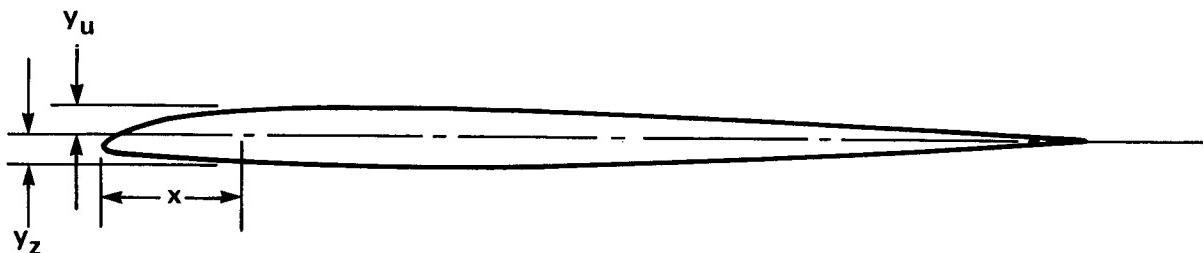
A research program concluded in this a successful wind-tunnel demonstration of the free-tip rotor design. The free-tip was shown to be effective in reducing power requirements and some oscillatory loads.

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TABLE 1.- ROTOR GEOMETRY SUMMARY

ROTOR RADIUS, m	2.55
BLADE CHORD, m	0.1709
BLADE TIP CHORD, m	0.0513
BLADE TWIST, deg	-9.45
FREE-TIP REFERENCE CHORD, m	0.1709
FREE-TIP OUTBOARD SWEEP ANGLE, deg	35
FREE-TIP AREA, $m^2$	0.0322
FREE-TIP SPAN, m	0.255
FREE-TIP MASS, kg	0.0108
ROTOR REFERENCE SOLIDITY	0.0807
BLADE FLAPPING INERTIA, $kg\ m^2$	9.175



x/c	y <sub>u</sub> /c	y <sub>z</sub> /c
0.0	-0.0225	-0.0225
0.005	-0.0078	-0.0329
0.01	-0.0024	-0.0362
0.015	0.0019	-0.0378
0.025	0.0096	-0.0394
0.035	0.0155	-0.0404
0.047	0.0214	-0.0412
0.06	0.0265	-0.042
0.08	0.0327	-0.0434
0.11	0.0396	-0.0449
0.15	0.0455	-0.0471
0.19	0.0489	-0.0494
0.23	0.0499	-0.0513
0.27	0.0499	-0.0522
0.31	0.0497	-0.05215
0.35	0.049	-0.0517
0.39	0.048	-0.0505

x/c	y <sub>u</sub> /c	y <sub>z</sub> /c
0.43	0.0465	-0.0487
0.47	0.0446	-0.0468
0.51	0.0424	-0.044
0.55	0.0397	-0.0412
0.59	0.0369	-0.038
0.63	0.0366	-0.0346
0.67	0.0301	-0.0308
0.71	0.0263	-0.0269
0.75	0.0223	-0.0226
0.79	0.0181	-0.0182
0.83	0.0137	-0.0136
0.87	0.0093	-0.0093
0.91	0.0056	-0.0057
0.945	0.0028	-0.0031
0.96	0.00235	-0.00235
1.0	0.00235	-0.00235

TABLE 2.- NOTATION FOR BLOCK A DATA: STEADY-STATE DATA

BLOCK A DATA

NOTATION WITH "B" AS LAST LETTER INDICATES HUB TARES WERE APPLIED

RUN	RUN NUMBER
TP	TEST POINT NUMBER
MU'	BLADE ADVANCE RATIO-WIND AXIS
ALPHAS	ROTOR SHAFT ANGLE OF ATTACK, DEG
RPM1	ROTOR ROTATIONAL SPEED, REVOLUTIONS PER MINUTE
VTIP	ROTOR TIP SPEED, FT/SEC
MI(90)	ADVANCING BLADE TIP MACH NUMBER
MI(270)	RETREATING BLADE TIP MACH NUMBER
-----	-----
VTUN	TUNNEL SPEED, FT/SEC
QTUN	TUNNEL DYNAMIC PRESSURE, LB/FT <sup>2</sup>
RHOTUN	TUNNEL DENSITY, LB SEC <sup>2</sup> /FT <sup>4</sup>
CTB	BLADE THRUST COEFF-SHAFT AXIS-HUB TARES APPLIED
CTR	ROTOR THRUST COEFF-SHAFT AXIS-NO HUB TARES APPLIED
CHB	BLADE H FORCE COEFF-SHAFT AXIS-HUB TARES APPLIED
-----	-----
CHR	ROTOR H FORCE COEFF-SHAFT AXIS-NO HUB TARES APPLIED
CYB	BLADE SIDE FORCE COEFF-WIND AXIS-HUB TARES APPLIED
CYR	ROTOR SIDE FORCE COEFF-WIND AXIS-NO HUB TARES APPLIED
CPB	BLADE TORQUE COEFF-SHAFT AXIS-HUB TARES APPLIED
CPR	ROTOR TORQUE COEFF-SHAFT AXIS-NO HUB TARES APPLIED
CT'B	BLADE LIFT COEFF-WIND AXIS-HUB TARES APPLIED
-----	-----
CT'R	ROTOR LIFT COEFF-WIND AXIS-NO HUB TARES APPLIED
CXB	BLADE PROPULSIVE FORCE COEFF-WIND AXIS-HUB TARES APPLIED
CXR	ROTOR PROPULSIVE FORCE COEFF-WIND AXIS-NO HUB TARES APPLIED
CDEB	CDER WITH HUB TARES APPLIED
CDER	EQUIVALENT DRAG COEFFICIENT, $[(\text{TORQUE})\Omega/\text{VTUN} - \text{XR}] / (\text{RHOTUN})\text{PI}R^{**2}(\text{VTIP})^{**2}$
L/QD2B	BLADE L BAR-WIND AXIS-HUB TARES APPLIED
-----	-----
L/QD2R	ROTOR L BAR-WIND AXIS-NO HUB TARES APPLIED
X/QD2B	BLADE X BAR-WIND AXIS-HUB TARES APPLIED
X/QD2R	ROTOR X BAR-WIND AXIS-NO HUB TARES APPLIED
P/QVD2B	BLADE P BAR-WIND AXIS-HUB TARES APPLIED
P/QVD2R	ROTOR P BAR-WIND AXIS-NO HUB TARES APPLIED
DE/QD2B	BLADE EFFECTIVE DRAG BAR-WIND AXIS-HUB TARES APPLIED
-----	-----
DE/QD2R	ROTOR EFFECTIVE DRAG BAR-WIND AXIS-NO HUB TARES APPLIED
Y/QD2B	BLADE Y BAR-WIND AXIS-HUB TARES APPLIED
Y/QD2R	ROTOR Y BAR-WIND AXIS-NO HUB TARES APPLIED
CPMB	BLADE PITCH MOM COEFF AT HUB CL-WIND AXIS-HUB TARES APPLIED
CPMR	ROTOR PITCH MOM COEFF AT HUB CL-WIND AXIS -NO HUB TARES APPLIED
CRMB	BLADE ROLL MOM COEF HUB CL-WIND AXIS-HUB TARES APPLIED

TABLE 2.- CONTINUED

CRMR	ROTOR ROLL MOM COEFF AT HUB CL-WIND AXIS -NO HUB TARES APPLIED
ROTORHPB	BLADE HORSEPOWER-SHAFT AXIS-HUB TARES APPLIED
ROTORHPR	ROTOR HORSEPOWER-SHAFT AXIS-NO HUB TARES APPLIED
TB	BLADE THRUST-HUB TARES APPLIED, LB
PMB	BLADE PITCHING MOMENT AT HUB CL-HUB TARES APPLIED, FT-LB
HB	BLADE H FORCE-HUB TARES APPLIED, LB
SFB	BLADE SIDE FORCE-HUB TARES APPLIED, LB
RMB	BLADE ROLLING MOMENT AT HUB CL-HUB TARES APPLIED, FT-LB
QB	BLADE TORQUE-HUB TARES APPLIED, FT-LB
V_SOUND	VELOCITY OF SOUND, FT/SEC
PTOTAL	TUNNEL TOTAL PRESSURE, LBS/FT <sup>2</sup>
PSTATIC	TUNNEL STATIC PRESSURE, LBS/FT <sup>2</sup>
TSTATIC	TUNNEL TEMPERATURE, DEGREES FAHRENHEIT
PRESSALT	PRESSURE ALTITUDE, FT
DENSALT	DENSITY ALTITUDE, FT
RN .75	ROTOR REYNOLDS NUMBER BASED ON CHORD AT .75 RADIUS
CT/SB	BLADE THRUST COEFF/SIGMA-SHAFT AXIS-HUB TARES APPLIED
CT/SR	ROTOR THRUST COEFF/SIGMA-SHAFT AXIS-NO HUB TARES APPLIED
CH/SB	BLADE H FORCE COEFF/SIGMA-SHAFT AXIS-HUB TARES APPLIED
CH/SR	ROTOR H FORCE COEFF/SIGMA-SHAFT AXIS-NO HUB TARES APPLIED
CY/SB	BLADE SIDE FORCE COEFF/SIGMA-WIND AXIS-HUB TARES APPLIED
CY/SR	ROTOR SIDE FORCE COEFF/SIGMA-WIND AXIS-NO HUB TARES APPLIED
CP/SB	BLADE TORQUE COEFF/SIGMA-SHAFT AXIS-HUB TARES APPLIED
CP/SR	ROTOR TORQUE COEFF/SIGMA-SHAFT AXIS-NO HUB TARES APPLIED
CPP/SB	PROFILE POWER COEFFICIENT, $CP/SB = 2(MU')^{*3}(X/QD^{**2}SB)/PI - SIGMA(CT'/SB)^{**2}/2(MU')$
CT'/SB	BLADE LIFT COEFF/SIGMA-WIND AXIS-HUB TARES APPLIED
CT'/SR	ROTOR LIFT COEFF/SIGMA-WIND AXIS-NO HUB TARES APPLIED
CX/SB	BLADE PROPULSIVE FORCE COEFF/SIGMA-WIND AXIS -HUB TARES APPLIED
CX/SR	ROTOR PROPULSIVE FORCE COEFF/SIGMA-WIND AXIS -NO HUB TARES APPLIED
CDE/SB	CDE/SR WITH HUB TARES APPLIED
CDE/SR	CDER/SIGMA
L/QD2SB	BLADE L BAR/SIGMA-WIND AXIS-HUB TARES APPLIED
X/QD2SB	BLADE X BAR/SIGMA-WIND AXIS-HUB TARES APPLIED
X/QD2SR	ROTOR X BAR/SIGMA-WIND AXIS-NO HUB TARES APPLIED
P/QVD2SB	BLADE P BAR/SIGMA-WIND AXIS-HUB TARES APPLIED
P/QVD2SR	ROTOR P BAR/SIGMA-WIND AXIS-NO HUB TARES APPLIED
DE/QD2SB	BLADE EFFECTIVE DRAG BAR/SIGMA-WIND AXIS-HUB TARES APPLIED
DE/QD2SR	ROTOR EFFECTIVE DRAG BAR/SIGMA-WIND AXIS -NO HUB TARES APPLIED
Y/QD2SB	BLADE Y BAR/SIGMA-WIND AXIS/HUB TARES APPLIED
Y/QD2SR	ROTOR Y BAR/SIGMA-WIND AXIS-NO HUB TARES APPLIED
LB	BLADE LIFT-WIND AXIS-HUB TARES APPLIED, LB

TABLE 2.- CONCLUDED

LR	ROTOR LIFT-WIND AXIS-NO HUB TARES APPLIED, LB
XB	BLADE PROPULSIVE FORCE-WIND AXIS-HUB TARES APPLIED, LB
XR	ROTOR PROPULSIVE FORCE-WIND AXIS-NO HUB TARES APPLIED, LB
DEB	BLADE EFFECTIVE DRAG-HUB TARES APPLIED, LB
DER	ROTOR EFFECTIVE DRAG-NO HUB TARES APPLIED, LB
TR	ROTOR THRUST-NO HUB TARES APPLIED, LB
-----	-----
PMR	ROTOR PITCHING MOMENT AT HUB CL-NO HUB TARES APPLIED, FT-LB
HR	ROTOR H FORCE-NO HUB TARES APPLIED, LB
SFR	ROTOR SIDE FORCE-NO HUB TARES APPLIED, LB
RMR	ROTOR ROLLING MOMENT AT HUB CL-NO HUB TARES APPLIED, FT-LB
QR	ROTOR TORQUE-NO HUB TARES APPLIED, FT-LB
A1-CORR	ROTOR LATERAL CYCLIC IN CLASSICAL AXES, DEG
-----	-----
B1-CORR	ROTOR LONGITUDINAL CYCLIC IN CLASSICAL AXES, DEG
THETA.75	BLADE COLLECTIVE PITCH AT .75 RADIUS, DEG
AIC	BLADE LATERAL CYCLIC IN CONTROL SYSTEM AXIS, DEG
BIS	BLADE LONGITUDINAL CYCLIC IN CONTROL SYSTEM AXIS, DEG
TORQUE	SHAFT TORQUE, FT-LB
X/LB	BLADE PROPULSIVE FORCE/LIFT-HUB TARES APPLIED, LB
-----	-----
X/LR	ROTOR PROPULSIVE FORCE/LIFT-NO HUB TARES APPLIED, LB
L/DEB	BLADE LIFT/EFFECTIVE DRAG-HUB TARES APPLIED
L/DER	ROTOR LIFT/EFFECTIVE DRAG-NO HUB TARES APPLIED
ALPHASC	CORRECTED ROTOR SHAFT ANGLE OF ATTACK, DEG

TABLE 3.- NOTATION FOR BLOCK B DATA: PEAK-TO-PEAK AMPLITUDE

Notation	Identification
RUN	Test run number
FIRST 1/R	Measurement parameter (see table 5 for description of parameters)
CH	Data channel number
TP	Test point number
STEADY	Mean value
MAXIMUM	Maximum value in positive direction
AZIM	Azimuthal location of MAXIMUM
MINIMUM	Maximum value in negative direction
ALTERNATING	Half peak-to-peak over cycle

TABLE 4.- NOTATION FOR BLOCK C DATA: HARMONIC ANALYSIS

Notation	Identification
RUN	Test run number
FIRST 1/R	Measurement parameter (see table 5 for description of parameter)
CH	Data channel number
TP	Test point number
STEADY	Mean value
HN	Harmonic number
COS	Coefficient of $\cos(HN \cdot \psi)$ term
SIN	Coefficient of $\sin(HN \cdot \psi)$ term
RESULTANT	Vector sum of the COS and SIN coefficients
SCPHASE	Phase angle of the RESULTANT vector

TABLE 5.- KEY FOR DYNAMIC MEASUREMENT PARAMETERS

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BLADE NUMBER	003FB13
	Blade station, percent of radius
	parameter:
	FB = flatwise-bending moment in..lb
	CB = chordwise-bending moment, in..lb
LEADLAG	Lead-lag angle, positive opposing direction of rotation, deg
FLAPANG	Total flapping angle, positive tipup, deg
003HANG	Angle between tip and inboard portion of blade 3, $\Delta\theta$ , positive tip up, deg
002HANG	$\Delta\theta$ on blade 2, deg
PTCHLINK	Pitch-link load, lb

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TABLE 6.- FREE-TIP FROM LIFT-COEFFICIENT SWEEP, RUN 37

a) Block A data

SUMMARY LISTING  
RUN 37 WOZ 37 WT 32

LOW SPEED CALCULATED DATA

RUN	TP	MU <sup>1</sup>	ALPHAS	RPM1	VTIP	M1(90)	M1(270)
37	2	3.4638E-01	-1.9926E+01	7.9200E+02	6.9808E+02	8.2231E-01	4.3661E-01
	3	3.0584E-01	-7.1534E+00	7.9200E+02	6.9808E+02	8.2141E-01	4.3665E-01
	4	3.0421E-01	-5.5395E+00	7.9600E+02	7.0161E+02	8.2397E-01	4.3959E-01
	5	3.0448E-01	-4.1656E+00	7.9400E+02	6.9985E+02	8.2178E-01	4.3816E-01
	6	3.0465E-01	-4.2310E+00	7.9200E+02	6.9808E+02	8.1963E-01	4.3685E-01
	7	3.0271E-01	-3.6858E+00	7.9600E+02	7.0161E+02	8.2251E-01	4.4025E-01
RUN	TP	VTUN	QTUN	RHOTUN	CTB	CTR	CHR
37	2	2.1014E+02	5.2122E+01	2.3606E-03	3.0937E-03	3.0096E-03	2.1505E-04
	3	2.0972E+02	5.1872E+01	2.3576E-03	4.5877E-03	4.5131E-03	2.3692E-04
	4	2.0971E+02	5.1772E+01	2.3545E-03	4.8773E-03	4.8066E-03	2.4959E-04
	5	2.0936E+02	5.1572E+01	2.3531E-03	5.7471E-03	5.6384E-03	1.7656E-04
	6	2.0895E+02	5.1356E+01	2.3524E-03	6.4336E-03	6.3648E-03	2.4555E-04
	7	2.0866E+02	5.1223E+01	2.3526E-03	7.3753E-03	7.3481E-03	2.4690E-04
RUN	TP	CHR	CYB	CYR	CPB	CPR	CT <sup>18</sup>
37	2	3.2557E-04	-2.3946E-06	-1.4733E-06	3.3154E-04	3.3554E-04	3.0784E-03
	3	3.4313E-04	-8.9573E-05	-8.8547E-05	3.3622E-04	3.4920E-04	4.5815E-03
	4	3.5235E-04	-4.0022E-05	-3.8994E-05	2.9816E-04	3.0209E-04	4.8787E-03
	5	2.7722E-04	-1.4733E-04	-1.8634E-04	3.2299E-04	3.2693E-04	5.7049E-03
	6	3.4644E-04	-1.3077E-04	-1.2974E-04	3.4653E-04	3.5247E-04	6.4342E-03
	7	3.4555E-04	-9.4587E-05	-9.3577E-05	4.0156E-04	4.0544E-04	7.3766E-03
RUN	TP	CT <sup>18</sup> R	CXB	CXR	CDER	CDER	L/QD2B
37	2	3.0167E-03	3.7526E-04	2.5079E-04	7.0688E-04	8.4442E-04	5.1510E-02
	3	4.5207E-03	3.3621E-04	2.2155E-04	7.6314E-04	8.9882E-04	7.6932E-02
	4	4.8182E-03	2.2240E-04	1.1329E-04	7.5772E-04	8.7975E-04	8.2803E-02
	5	5.6436E-03	2.3847E-04	1.3308E-04	8.2235E-04	9.4065E-04	9.6654E-02
	6	6.3730E-03	2.2978E-04	1.2408E-04	9.0770E-04	1.0263E-03	1.0889E-01
	7	7.3152E-03	2.2773E-04	1.2495E-04	1.0988E-03	1.2144E-03	1.2643E-01
RUN	TP	L/QD2R	X/QD2B	X/QD2R	P/QVD2B	P/QVD2R	DE/QD2B
37	2	5.0478E-02	6.2791E-03	4.1964E-03	1.8107E-02	1.8326E-02	1.1828E-02
	3	7.5912E-02	5.6456E-03	3.7202E-03	1.8469E-02	1.8679E-02	1.2815E-02
	4	8.1777E-02	3.7747E-03	1.9228E-03	1.6635E-02	1.6854E-02	1.2860E-02
	5	9.5617E-02	4.0412E-03	2.2546E-03	1.7973E-02	1.8192E-02	1.3933E-02
	6	1.0785E-01	3.8887E-03	2.4998E-03	1.9250E-02	1.9469E-02	1.5361E-02
	7	1.2538E-01	3.9033E-03	2.1417E-03	2.2737E-02	2.2957E-02	1.8834E-02
RUN	TP	DE/QD2R	Y/QD2B	Y/QD2R	CPMB	CPMR	CRMB
37	2	1.4130E-02	-4.0069E-05	-2.4653E-05	2.9586E-05	3.1278E-25	-1.2238E-05
	3	1.4959E-02	-1.5041E-03	-1.4869E-03	3.3418E-05	3.5203E-05	-3.0577E-05
	4	1.4932E-02	-6.7927E-04	-6.6182E-04	3.8556E-05	4.0337E-05	3.4566E-05
	5	1.5937E-02	-1.8184E-03	-1.8011E-03	7.4265E-06	9.2111E-06	-1.5955E-05
	6	1.7369E-02	-2.2130E-03	-2.1956E-03	4.0699E-05	4.2485E-05	-1.7329E-05
	7	2.0815E-02	-1.6213E-03	-1.6039E-03	5.7299E-05	5.9052E-05	3.4979E-05
RUN	TP	CRMR	ROTORHPR	ROTORHPR	TR	PMR	HR
37	2	-1.2777E-05	1.0774E+02	1.0004E+02	7.9205E+02	6.3755E+01	5.5057E+01
	3	-3.1155E-05	1.0912E+02	1.1041E+02	1.1730E+03	7.1921E+01	6.0579E+01
	4	2.8849E-06	9.8108E+01	9.9402E+01	1.2581E+03	8.3709E+01	6.4379E+01
	5	-1.6519E-05	1.0542E+02	1.0670E+02	1.4638E+03	1.6033E+01	4.5285E+01
	6	-1.7894E-05	1.1221E+02	1.1349E+02	1.6414E+03	8.7397E+01	6.2646E+01
	7	2.9447E-06	1.3202E+02	1.3330E+02	1.9008E+03	1.2428E+02	6.3634E+01

TABLE 6.- CONTINUED

## a) Continued

RUN	TP	SFB	RMB	OR	V_SOUND	PTOTAL	PSTATIC
37	2	-6.1308E+01	-2.6371E+01	7.1445E+02	1.1990E+03	2.1265E+03	2.0739E+03
3	-2.2903E+01	-6.5807E+01	7.2361E+02	1.1098E+03	2.1264E+03	2.0741E+03	
4	-1.0323E+01	7.5048E+00	6.4734E+02	1.1105E+03	2.1264E+03	2.0742E+03	
5	-2.7529E+01	-3.4446E+01	6.9731E+02	1.1109E+03	2.1264E+03	2.0744E+03	
6	-3.3363E+01	-3.7212E+01	7.4415E+02	1.1112E+03	2.1265E+03	2.0747E+03	
7	-2.4378E+01	7.5880E+00	8.7119E+02	1.1112E+03	2.1267E+03	2.0751E+03	
RUN	TP	TSTATIC	PRESSALT	DENSALT	RN.75	CT/SR	CT/SR
37	2	5.2280E+01	5.5748E+02	2.5327E+02	1.8802E+06	3.8384E+02	3.7340E+02
3	5.2981E+01	5.5590E+02	2.0694E+02	1.8763E+06	5.6919E+02	5.5994E+02	
4	5.3671E+01	5.5414E+02	3.4158E+02	1.8812E+06	6.6513E+02	5.9636E+02	
5	5.4026E+01	5.5172E+02	3.6220E+02	1.8743E+06	7.4808E+02	6.9955E+02	
6	5.4270E+01	5.4680E+02	3.7225E+02	1.8684E+06	7.9822E+02	7.8967E+02	
7	5.4318E+01	5.4231E+02	3.6989E+02	1.8778E+06	9.1506E+02	9.0671E+02	
RUN	TP	CH/SB	CH/SR	CY/SR'	CY/SR	CP/SR	CP/SR
37	2	2.6681E-03	4.9394E-03	-2.9710E-05	-1.8279E-05	4.1134E-03	4.1631E-03
3	2.9395E-03	4.2571E-03	-1.1113E-03	-1.0986E-03	4.1715E-03	4.2209E-03	
4	3.0966E-03	4.3716E-03	-4.9655E-04	-4.8379E-04	3.6992E-03	3.7480E-03	
5	2.1905E-03	3.4395E-03	-1.3316E-03	-1.3189E-03	4.0074E-03	4.0561E-03	
6	3.0465E-03	4.2983E-03	-1.6224E-03	-1.6097E-03	4.2994E-03	4.3483E-03	
7	3.0633E-03	4.2873E-03	-1.1735E-03	-1.1610E-03	4.9821E-03	5.0303E-03	
RUN	TP	CPP/SB	CT'/SB	CT'/SR	CX/SB	CX/SR	CDE/SB
37	2	2.4952E-03	3.8193E-02	3.7428E-02	4.6558E-03	3.1115E-03	8.7702E-03
3	2.4761E-03	5.6842E-02	5.6088E-02	4.1713E-03	2.7487E-03	9.4683E-03	
4	2.3745E-03	6.0520E-02	5.9779E-02	2.7593E-03	1.4056E-03	9.4009E-03	
5	2.4435E-03	7.0780E-02	7.0020E-02	2.9587E-03	1.6511E-03	1.0203E-02	
6	2.5880E-03	7.9829E-02	7.9069E-02	2.8509E-03	1.5395E-03	1.1262E-02	
7	3.0120E-03	9.1513E-02	9.0759E-02	2.8254E-03	1.5503E-03	1.3633E-02	
RUN	TP	CDE/SP	L/002SB	L/002SR	X/002SB	X/002SR	P/QVD2SR
37	2	1.0477E-02	6.3909E-01	6.2628E-01	7.7905E-02	5.2064E-02	2.2466E-01
3	1.1052E-02	9.5449E-01	9.4183E-01	7.0045E-02	4.6157E-02	2.2904E-01	
4	1.0915E-02	1.0273E+00	1.0146E+00	4.6833E-02	2.3857E-02	2.0639E-01	
5	1.1671E-02	1.1992E+00	1.1863E+00	5.0127E-02	2.7973E-02	2.2299E-01	
6	1.2734E-02	1.3510E+00	1.3381E+00	4.8246E-02	2.6053E-02	2.3883E-01	
7	1.5067E-02	1.5568E+00	1.5556E+00	4.8428E-02	2.6572E-02	2.8210E-01	
RUN	TP	P/QVD2SR	DE/002SR	DE/002SR	Y/002SR	Y/002SR	LB
37	2	2.2737E-01	1.4675E-01	1.7530E-01	-4.9714E-04	-3.0587E-04	7.8813E+02
3	2.3175E-01	1.5899E-01	1.8559E-01	-1.8661E-02	-1.8448E-02	1.1714E+03	
4	2.0911E-01	1.5956E-01	1.8526E-01	-8.4276E-03	-8.2112E-03	1.2584E+03	
5	2.2570E-01	1.7286E-01	1.9773E-01	-2.2561E-02	-2.2345E-02	1.4633E+03	
6	2.4155E-01	1.9959E-01	2.1510E-01	-2.7457E-02	-2.7241E-02	1.6416E+03	
7	2.8482E-01	2.3367E-01	2.5825E-01	-2.9115E-02	-1.9900E-02	1.9910E+03	
RUN	TP	LR	XR	YR	DEB	PER	TR
37	2	7.7234E+02	9.6073E+01	6.4206E+01	1.8098E+02	2.1619E+02	7.7051E+02
3	1.1559E+03	8.5966E+01	5.6649E+01	1.9513E+02	2.2778E+02	1.1540E+03	
4	1.2428E+03	5.7367E+01	2.0223E+01	1.9545E+02	2.2693E+02	1.2398E+03	
5	1.4476E+03	6.1166E+01	3.4133E+01	2.1493E+02	2.4127E+02	1.4462E+03	
6	1.6259E+03	5.8624E+01	3.1655E+01	2.3158E+02	2.6185E+02	1.6238E+03	
7	1.8853E+03	5.8692E+01	3.2204E+01	2.8319E+02	3.1294E+02	1.8835E+03	
RUN	TP	PMR	HR	SFR	RMR	OR	A1-CORR
37	2	6.7401E+01	8.3354E+01	-3.7720E+01	-2.7533E+01	7.2307E+02	-3.0894E+00
3	7.5763E+01	8.7735E+01	-2.2641E+01	-6.7451E+01	7.3218E+02	-3.7446E+00	
4	8.7576E+01	9.0887E+01	-1.9058E+01	-6.2635E+00	6.5587E+02	-3.7183E+00	
5	1.9886E+01	7.1106E+01	-2.7266E+01	-3.5664E+01	7.0589E+02	-5.1639E+00	
6	9.1234E+01	8.8387E+01	-3.3101E+01	-3.8426E+01	7.5261E+02	-5.0837E+00	
7	1.2810E+02	8.0061E+01	-2.4118E+01	-6.3880E+00	8.7953E+02	-5.8529E+00	

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TABLE 6.- CONTINUED

a) Concluded

RUN	TP	F1-CORR	THETA.75	A <sub>IC</sub>	B <sub>IS</sub>	TORQUE	X/LB
37	2	-1.6464E+00	7.0549E+00	-2.3895E+00	-2.5581E+00	7.1864E+02	1.2190E+01
	3	-2.3134E+00	7.3345E+00	-3.2037E+00	-3.4183E+00	7.2722E+02	7.3385E+02
	4	-1.6552E+00	6.8178E+00	-2.5611E+00	-3.1632E+00	6.5068E+02	4.5557E+02
	5	-2.2911E+00	7.8445E+00	-3.5496E+00	-4.3950E+00	7.1001E+02	4.1801E+02
	6	-2.3655E+00	8.6658E+00	-3.6006E+00	-4.2982E+00	7.4638E+02	3.5712E+02
	7	-2.1450E+00	9.9392E+00	-3.5867E+00	-5.0983E+00	8.7226E+02	3.0874E+02
RUN	TP	X/LR	L/DER	I/DER	ALPHAS	ALPHASC	
37	2	8.3132E-02	4.3549E+00	3.5725E+00	-1.3926E+01	-1.4926E+01	
	3	4.9867E-02	6.0034E+00	5.9748E+00	-7.1534E+00	-7.1534E+00	
	4	2.3513E-02	6.4386E+00	5.4767E+00	-5.5395E+00	-5.5395E+00	
	5	2.3580E-02	6.9373E+00	5.9997E+00	-4.1656E+00	-4.1656E+00	
	6	1.9470E-02	7.0885E+00	6.2095E+00	-4.2310E+00	-4.2310E+00	
	7	1.7081E-02	6.7128E+00	6.0237E+00	-3.6858E+00	-3.6858E+00	

TABLE 6.- CONTINUED

## b) Block B data

## STRESS ANALYSIS DATA

RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 TORQUE	2	7.1337E+02	7.4307E+02	336.1	6.7563E+02	3.3724E+01
	3	7.2516E+02	7.6818E+02	322.6	6.7545E+02	4.6562E+01
	4	6.4784E+02	6.9881E+02	316.3	6.1393E+02	4.2442E+01
	5	6.9479E+02	7.6224E+02	229.7	6.3788E+02	6.2178E+01
	6	7.4461E+02	8.1876E+02	229.2	6.9134E+02	6.3711E+01
	7	8.7395E+02	9.4235E+02	237.5	8.0439E+02	6.8981E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 003FB13	2	3.9126E+02	4.8075E+02	209.6	3.0467E+02	9.6441E+01
	3	3.8114E+02	4.9451E+02	65.3	2.7006E+02	1.1922E+02
	4	3.7187E+02	5.5415E+02	194.4	2.1678E+02	1.5868E+02
	5	3.9016E+02	5.8158E+02	65.3	2.1739E+02	1.8249E+02
	6	4.0272E+02	6.1791E+02	65.2	2.2093E+02	1.9849E+02
	7	4.0991E+02	7.6497E+02	115.6	1.86779E+02	2.5939E+02
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 003FB46	2	-7.4236E+01	8.2447E+01	257.6	-2.4928E+02	1.6583E+02
	3	-1.0615E+02	9.2524E+01	258.2	-2.8763E+02	1.9008E+02
	4	-1.1749E+02	6.2978E+01	258.9	-3.4248E+02	2.0273E+02
	5	-1.2545E+02	7.9315E+01	258.2	-3.5577E+02	2.1754E+02
	6	-1.3129E+02	8.7695E+01	257.6	-3.7245E+02	2.3447E+02
	7	-1.4946E+02	1.3442E+02	258.9	-4.2155E+02	2.7799E+02
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 003FB96	2	-1.8993E+01	5.9369E+01	258.4	-1.4214E+02	1.0074E+02
	3	-5.3357E+01	2.9445E+01	286.8	-2.0653E+02	1.1799E+02
	4	-5.5338E+01	2.2272E+01	294.6	-1.8890E+02	1.2559E+02
	5	-7.1538E+01	3.0060E+01	279.6	-2.0537E+02	1.1771E+02
	6	-8.9156E+01	3.4638E+01	327.4	-2.1883E+02	1.2673E+02
	7	-1.4874E+02	8.9203E+01	301.9	-3.4481E+02	1.9545E+02
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 003CB18	2	-1.5241E+03	-1.2395E+03	114.9	-1.7595E+03	2.6000E+02
	3	-1.6197E+03	-1.2944E+03	108.1	-1.9589E+03	3.3246E+02
	4	-1.6867E+03	-1.3221E+03	165.6	-2.1013E+03	3.8964E+02
	5	-1.6234E+03	-1.2452E+03	100.9	-2.1844E+03	4.6964E+02
	6	-1.6192E+03	-1.1418E+03	100.7	-2.2202E+03	5.3021E+02
	7	-1.6301E+03	-1.0815E+03	108.3	-2.4285E+03	6.7354E+02
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 003CB90	2	-6.6351E+01	1.5798E+01	108.8	-8.4360E+01	4.2259E+01
	3	-3.3175E+00	2.6466E+00	343.8	-7.6856E+01	3.9732E+01
	4	-4.9921E+01	-4.9289E+01	280.2	-5.0474E+01	5.9242E+01
	5	-4.9842E+01	-4.9452E+01	293.8	-5.0395E+01	6.7141E+01
	6	-4.9684E+01	-4.8894E+01	278.8	-5.0395E+01	7.5040E+01
	7	-4.9526E+01	-4.8578E+01	287.4	-5.0395E+01	9.2837E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 003HANG	2	-3.9743E+01	-7.6813E+01	107.7	-6.2229E+00	2.7274E+00
	3	-5.5394E+01	-1.2150E+01	108.0	-9.2092E+00	3.9971E+00
	4	-5.5978E+01	-1.1172E+01	108.2	-9.4994E+00	4.1911E+00
	5	-6.6736E+01	-1.5115E+01	136.5	-1.1353E+01	4.9208E+00
	6	-7.6480E+01	-1.9858E+01	107.7	-1.2736E+01	5.3762E+00
	7	-8.8183E+01	-2.0750E+01	115.4	-1.4737E+01	6.3308E+00

TABLE 6.- CONTINUED

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## b) Continued

RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 004FB13	2	3.7199E+02	4.3015E+02	203.0	3.1493E+02	5.7649E+01
	3	3.8553E+02	4.8867E+02	203.7	2.6531E+02	1.1168E+02
	4	3.8138E+02	5.4159E+02	68.3	2.1166E+02	1.6495E+02
	5	3.9552E+02	6.1941E+02	67.9	2.8593E+02	2.4654E+02
	6	3.9138E+02	6.3169E+02	67.5	1.9634E+02	2.1774E+02
	7	3.9723E+02	6.8144E+02	68.3	1.7752E+02	2.5196E+02
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 004FB18	2	5.6723E+01	1.1859E+02	202.9	-5.4273E+01	8.6433E+01
	3	6.3494E+01	1.6809E+02	203.7	-9.3067E+01	1.3123E+02
	4	5.7458E+01	1.9553E+02	197.2	-1.5624E+02	1.7587E+02
	5	7.2437E+01	2.4221E+02	67.9	-1.5743E+02	1.9982E+02
	6	7.4365E+01	2.6254E+02	340.1	-1.6257E+02	2.1256E+02
	7	8.1716E+01	3.5418E+02	340.5	-1.8458E+02	2.6934E+02
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 004FB38	2	1.6113E+02	2.6501E+02	224.3	-5.2423E+01	1.3513E+02
	3	1.3327E+02	2.8543E+02	225.1	-1.4457E+02	1.9500E+02
	4	1.2375E+02	3.1240E+02	327.9	-1.7617E+02	2.3020E+02
	5	1.1906E+02	3.2475E+02	334.9	-1.8983E+02	2.5239E+02
	6	1.1533E+02	3.5234E+02	334.8	-2.1088E+02	2.8157E+02
	7	1.0333E+02	3.9455E+02	335.1	-2.4694E+02	3.2075E+02
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 004FB46	2	1.8531E+02	2.9677E+02	238.5	2.7494E+01	1.3464E+02
	3	1.5285E+02	3.1335E+02	232.2	-6.7494E+01	1.9422E+02
	4	1.4164E+02	2.8635E+02	320.7	-8.8436E+01	1.8739E+02
	5	1.3449E+02	3.4213E+02	327.7	-1.2893E+02	2.3553E+02
	6	1.2913E+02	3.2466E+02	327.6	-1.3876E+02	2.3171E+02
	7	1.1831E+02	3.3479E+02	335.1	-1.9117E+02	2.6298E+02
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 004FB53	2	1.3989E+01	1.1002E+02	252.7	-1.1898E+02	1.1451E+02
	3	-3.7604E+01	8.5083E+01	320.6	-2.1065E+02	1.4787E+02
	4	-5.2004E+01	1.0277E+02	320.7	-2.5788E+02	1.8033E+02
	5	-7.1683E+01	1.6656E+02	328.6	-2.8199E+02	1.9428E+02
	6	-8.6647E+01	9.3805E+01	324.4	-3.2881E+02	2.1131E+02
	7	-1.1298E+02	9.8413E+01	320.7	-4.0089E+02	2.4965E+02
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 004FB90	2	0.0000E+00	0.0000E+00	29.8	0.0000E+00	0.0000E+00
	3	0.0000E+00	0.0000E+00	45.5	0.0000E+00	0.0000E+00
	4	0.0000E+00	0.0000E+00	65.0	0.0000E+00	0.0000E+00
	5	0.0000E+00	0.0000E+00	21.0	0.0000E+00	0.0000E+00
	6	0.0000E+00	0.0000E+00	7.6	0.0000E+00	0.0000E+00
	7	0.0000E+00	0.0000E+00	7.7	0.0000E+00	0.0000E+00
RUN FIRST 1/R	TP	STEADY	MAXTHIUM	AZIM	MINIMUM	ALTERNATING
37 004CB18	2	0.0000E+00	0.0000E+00	270.4	0.0000E+00	0.0000E+00
	3	0.0000E+00	0.0000E+00	313.3	0.0000E+00	0.0000E+00
	4	0.0000E+00	0.0000E+00	284.8	0.0000E+00	0.0000E+00
	5	0.0000E+00	0.0000E+00	306.2	0.0000E+00	0.0000E+00
	6	0.0000E+00	0.0000E+00	270.4	0.0000E+00	0.0000E+00
	7	0.0000E+00	0.0000E+00	3.6	0.0000E+00	0.0000E+00
RUN FIRST 1/R	TP	STEADY	MAXTHIUM	AZIM	MINIMUM	ALTERNATING
37 004CB90	2	0.0000E+00	0.0000E+00	291.8	0.0000E+00	0.0000E+00
	3	0.0000E+00	0.0000E+00	291.8	0.0000E+00	0.0000E+00
	4	0.0000E+00	0.0000E+00	277.6	0.0000E+00	0.0000E+00
	5	0.0000E+00	0.0000E+00	306.1	0.0000E+00	0.0000E+00
	6	0.0000E+00	0.0000E+00	313.2	0.0000E+00	0.0000E+00
	7	0.0000E+00	0.0000E+00	306.2	0.0000E+00	0.0000E+00

TABLE 6.- CONTINUED

## b) Concluded

RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 004PANG	2	0.0004E+00	0.0004E+00	24.4	0.0004E+00	0.0004E+00
	3	0.0004E+00	0.0004E+00	327.5	0.0004E+00	0.0004E+00
	4	0.0004E+00	0.0004E+00	3.5	0.0004E+00	0.0004E+00
	5	0.0004E+00	0.0004E+00	298.9	0.0004E+00	0.0004E+00
	6	0.0004E+00	0.0004E+00	68.8	0.0004E+00	0.0004E+00
	7	0.0004E+00	0.0004E+00	328.5	0.0004E+00	0.0004E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 PITCHLINK	2	-4.8233E+01	-2.9356E+01	31.5	-7.1925E+01	2.1279E+01
	3	-5.5185E+01	-3.4217E+01	74.7	-8.5264E+01	2.7521E+01
	4	-5.5185E+01	-2.8231E+01	68.7	-9.1785E+01	3.1777E+01
	5	-6.1719E+01	-2.3833E+01	74.7	-9.8169E+01	3.7165E+01
	6	-6.8294E+01	-3.4675E+01	74.2	-1.0824E+02	3.9983E+01
	7	-8.2422E+01	-3.1635E+01	75.1	-1.3449E+02	5.1425E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 LEADLAG	2	-0.9990E+03	-9.9900E+03	-99.4	-9.9990E+03	-9.9990E+03
	3	-0.9990E+03	-9.9900E+03	-99.0	-9.9990E+03	-9.9990E+03
	4	0.0000E+00	0.0000E+00	154.6	0.0000E+00	0.0000E+00
	5	0.0000E+00	0.0000E+00	98.1	0.0000E+00	0.0000E+00
	6	0.0000E+00	0.0000E+00	97.2	0.0000E+00	0.0000E+00
	7	0.0000E+00	0.0000E+00	118.8	0.0000E+00	0.0000E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
37 FLAPANG	2	1.5225E+00	1.9833E+00	131.0	1.0634E+00	4.6415E-01
	3	2.0971E+00	2.9226E+00	153.0	1.4958E+00	7.5839E-01
	4	2.2478E+00	2.8688E+00	162.8	1.4958E+00	6.8648E-01
	5	2.5664E+00	3.1853E+00	31.5	1.9198E+00	5.3274E-01
	6	2.8386E+00	3.7452E+00	145.3	2.6593E+00	8.2245E-01
	7	3.2359E+00	4.2947E+00	175.1	2.9603E+00	1.1172E+00

TABLE 6.- CONTINUED

c) Block C data

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 093CB18	2	-1.524E+03	1	-7.4634E+01	6.4437E+01	9.2961E+01	139.4
			2	-1.1673E+01	-3.4936E+01	3.6835E+01	251.5
			3	-3.3327E+01	1.6812E+01	3.5432E+01	162.4
			4	-1.6604E+01	1.6832E+02	1.6116E+02	95.9
			5	-2.9429E+01	2.4942E+01	3.8577E+01	139.7
			6	-2.5317E+00	-1.8644E+01	1.8815E+01	262.3
			7	-1.6914E+02	-8.1587E+03	8.3322E+03	258.3
			8	-1.4905E+01	-1.2644E+01	1.9545E+01	221.3
			9	2.1130E-01	-1.8560E-01	2.8134E-01	318.7
			10	2.9265E+00	-1.0352E+00	3.1e42E+00	344.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 093CB18	3	-1.628E+03	1	-1.0043E+02	7.7930E+01	1.2712E+02	142.2
			2	8.5349E+00	-3.5247E+01	3.7238E+01	283.2
			3	-4.5793E+01	5.7531E+00	4.6464E+01	172.8
			4	8.2880E+01	2.0253E+02	2.1883E+02	67.7
			5	1.1456E+01	2.7542E+01	2.9792E+01	67.4
			6	-6.7295E+00	-1.1534E+01	1.3354E+01	239.7
			7	2.1576E+00	-5.0207E+01	5.4686E+01	293.4
			8	-3.5997E+01	-3.1686E+01	4.7956E+01	221.4
			9	4.7473E+00	3.2627E+00	5.7584E+00	34.5
			10	7.8990E+00	1.8924E-01	7.9976E+00	4.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 093CB18	4	-1.687E+03	1	-1.4183E+02	1.8472E+02	1.7634E+02	143.6
			2	1.9541E+01	-3.8207E+01	3.5976E+01	362.9
			3	-1.2834E+01	4.3469E+01	4.5324E+01	145.1
			4	1.7000E+02	8.2586E+01	1.8900E+02	25.9
			5	2.8542E+01	5.7450E+01	6.4149E+01	53.6
			6	-2.2500E+01	-1.4594E+01	2.6619E+01	213.4
			7	1.4191E+00	-6.3435E+00	6.5003E+00	282.6
			8	-5.7935E+01	-2.7468E+01	6.3948E+01	265.8
			9	7.2967E-01	5.5849E+00	5.0324E+00	82.5
			10	6.7452E+00	-2.9774E+00	7.3730E+00	336.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 093CB18	5	-1.623E+03	1	-1.6677E+02	1.8204E+02	1.9551E+02	144.6
			2	2.7574E+01	-2.4116E+01	3.6629E+01	318.8
			3	-4.2317E+01	4.8954E+01	5.8849E+01	135.9
			4	2.4233E+02	2.4866E+02	2.9133E+02	45.7
			5	4.3898E+01	1.9278E+02	1.1726E+02	66.9
			6	-2.2265E+01	-1.3367E+01	2.8972E+01	211.4
			7	7.7325E+00	3.4263E+00	8.4575E+00	23.9
			8	-5.2464E+01	-2.6189E+01	5.8276E+01	265.7
			9	5.0264E+00	3.1468E+00	5.9346E+00	32.4
			10	1.4647E+01	3.4232E+00	1.1146E+01	17.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 093CB18	6	-1.619E+03	1	-1.2974E+02	2.9387E+02	2.4163E+02	122.5
			2	3.2483E+01	-2.7154E+01	4.2271E+01	324.2
			3	-2.7645E+01	6.8428E+01	7.3794E+01	112.6
			4	2.6627E+02	1.8187E+02	3.2245E+02	34.3
			5	3.1382E+01	6.7730E+01	7.4655E+01	65.1
			6	-6.5449E+01	-1.6895E+01	6.7595E+01	194.5
			7	-6.4182E+00	-1.3151E+01	1.4633E+01	244.8
			8	-7.4203E+01	-2.4314E+01	7.8084E+01	198.1
			9	1.4111E+01	5.3684E+00	1.1714E+01	27.3
			10	3.6358E+01	-6.7184E+00	7.6388E+01	298.4

TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 443CB16	7	-1.634E+03	1	-1.4545E+02	3.2137E+02	3.3823E+02	198.2
			2	4.1514E+01	-4.2093E+01	5.9113E+01	314.6
			3	-9.0999E+01	7.0424E+01	1.1435E+02	142.4
			4	1.7154E+02	3.2957E+02	3.7154E+02	62.5
			5	2.1396E+01	8.3872E+01	8.6658E+01	75.7
			6	-6.8868E+01	3.8975E+01	7.9132E+01	158.5
			7	1.3491E+01	-1.8180E+01	1.3492E+01	359.2
			8	-3.4362E+01	-6.3356E+01	7.2407E+01	241.5
			9	5.2032E+00	1.5456E+01	1.8790E+01	73.9
			10	1.5546E+01	8.2192E+00	1.7535E+01	27.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 443CB93	2	-6.635E+01	1	-7.7263E+04	3.9714E+02	8.6694E+04	152.7
			2	-4.9928E+04	5.9138E+02	7.6825E+04	129.6
			3	-3.3562E+04	6.6964E+02	7.4922E+04	116.6
			4	-5.5681E+01	7.6798E+02	7.6090E+02	94.1
			5	2.1319E+00	6.7156E+02	7.1487E+02	72.4
			6	3.8712E+02	5.6443E+02	7.2468E+02	56.5
			7	6.4637E+00	3.9988E+02	7.5981E+02	31.8
			8	7.4558E+00	-1.1426E+01	7.1568E+02	359.1
			9	4.6142E+00	-2.5793E+02	5.2862E+02	330.8
			10	2.7668E+00	-2.6413E+02	3.8251E+02	316.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 443CB94	3	-3.318E+00	1	-2.1593E+00	1.3269E+00	2.5159E+00	148.7
			2	-1.3313E+00	1.6672E+00	2.1334E+00	128.6
			3	-1.8959E+00	2.2689E+00	2.9568E+00	129.0
			4	-1.9126E+00	3.9385E+00	3.9385E+00	94.3
			5	2.3873E+00	2.5167E+00	3.4645E+00	46.4
			6	1.8146E+00	9.8384E+01	2.1641E+01	28.5
			7	2.1252E+00	1.6282E+00	2.5771E+00	37.5
			8	3.0283E+00	7.1744E+01	3.9280E+01	1.6
			9	2.7390E+00	-2.5258E+00	3.7265E+00	317.3
			10	8.3848E+01	-2.1915E+02	2.2624E+02	291.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 443CB95	4	-4.992E+01	1	1.7401E+01	-5.1117E+01	5.3452E+01	289.1
			2	-7.6019E+02	5.1851E+02	9.2010E+02	145.7
			3	-2.6866E+02	-4.2778E+02	5.4511E+02	237.9
			4	-1.1982E+02	-5.7397E+02	5.8634E+02	258.2
			5	4.8815E+02	2.3891E+04	4.8815E+02	4.3
			6	9.6225E+03	-3.8633E+02	3.9813E+02	284.6
			7	-1.4278E+02	-6.7124E+02	1.5777E+02	205.2
			8	-1.2260E+03	-2.6431E+02	2.6366E+02	207.3
			9	1.8418E+02	-3.3726E+02	1.1951E+02	342.1
			10	-2.1557E+03	1.7459E+03	3.1130E+03	144.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 443CB96	5	-4.984E+01	1	2.8269E+01	-5.7158E+01	6.14642E+01	289.5
			2	-7.7668E+02	3.5455E+02	8.3425E+02	158.6
			3	1.7927E+02	-6.1727E+02	6.4277E+02	236.2
			4	1.5184E+02	-6.6481E+02	6.8192E+02	282.9
			5	5.1784E+02	8.7204E+02	5.1791E+02	1.6
			6	2.8245E+02	-6.3745E+02	6.9086E+02	293.9
			7	-2.6651E+02	-2.8593E+02	2.9164E+02	224.9
			8	1.1560E+02	-4.2635E+02	4.4174E+02	285.2
			9	1.3432E+02	1.2324E+02	1.8228E+02	42.5
			10	3.9398E+03	5.7496E+03	6.9365E+03	55.4

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TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003CB90	6	-4.968E+01	1	1.7896E-01	-6.9737E-01	7.1996F-01	284.4
			2	-9.1816E-02	4.1276E-02	1.0067E-01	155.8
			3	2.0626E-02	-7.6546E-02	7.9276E-02	285.1
			4	6.4237E-03	-6.9254E-02	6.9551E-02	275.3
			5	4.3954E-02	1.2281E-02	4.5581E-02	15.4
			6	-5.3826E-03	-4.9162E-02	4.9456E-02	263.8
			7	-1.6439E-02	-4.5878E-04	1.6436E-02	181.6
			8	-1.0609E-04	1.6234E-02	1.6234E-02	269.6
			9	1.2919E-02	-2.7278E-03	1.3293E-02	348.1
			10	1.7149E-02	2.2466E-02	2.8257E-02	52.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003CB90	7	-4.953F+01	1	2.1991E-01	-8.3131E-01	8.5968F-01	284.8
			2	-7.9152F-02	3.5954E-02	8.6935F-02	155.6
			3	1.8447E-02	-8.4717E-02	8.6593E-02	282.3
			4	-4.5698E-03	-5.9487E-02	5.9562E-02	265.6
			5	7.5410E-02	7.5488E-03	7.5783E-02	6.7
			6	-1.1082F-02	-5.7443E-02	5.8453F-02	259.1
			7	2.0375E-02	3.2948E-02	3.7976E-02	302.4
			8	1.2172E-02	-5.7569E-02	5.8842E-02	281.9
			9	1.9751E-02	2.0920E-02	2.8771E-02	45.5
			10	5.8895E-03	9.7977E-03	1.1432F-02	59.0
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003HANG	2	-3.974E+00	1	-1.0155E+00	2.4322E+00	2.6357E+00	112.7
			2	-2.4342E-02	-4.6828E-01	4.6801E-01	267.0
			3	4.7578E-02	2.2379E-01	2.2870E-01	78.9
			4	-1.1401E-01	2.4441E-01	2.6969E-01	115.8
			5	-1.4735E-01	7.9374E-02	1.6737E-01	151.7
			6	-1.4131E-01	9.6805E-03	1.4154E-01	176.1
			7	5.0445E-02	-3.3404E-02	6.4563E-02	326.5
			8	-3.6512E-02	8.3345E-02	9.6902E-02	113.7
			9	-2.2839E-02	-3.4654E-02	4.1569E-02	236.6
			10	-3.5982E-02	-1.0344E-02	3.7448E-02	196.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003HANG	3	-5.539F+00	1	-1.4843E+00	3.6309E+00	3.9226F+00	112.2
			2	3.1985E-01	-4.0165E-01	5.1345E-01	308.5
			3	-6.1941E-02	3.2402E-01	3.2506E-01	101.9
			4	-1.4099E-01	3.4463E-01	3.7181E-01	112.3
			5	-2.2125E-01	5.9477E-03	2.2133E-01	178.5
			6	-1.2451E-01	9.6168E-02	1.5734E-01	142.3
			7	4.9185E-02	8.4692E-02	9.7424E-02	59.7
			8	-9.5354E-02	2.9937E-01	2.2199E-01	115.4
			9	-9.6346E-02	-1.7227E-02	9.1974E-02	196.8
			10	-3.2867E-02	-2.9439E-02	4.4123E-02	221.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003HANG	4	-5.598E+00	1	-1.4415E+00	3.0464E+00	4.2614E+00	114.1
			2	3.7236E-01	-4.3947E-01	5.7611E-01	313.3
			3	-1.2451E-01	4.7898E-01	4.9390E-01	104.1
			4	-2.5879E-02	4.02226E-01	4.8349E-01	93.7
			5	-2.6193E-01	8.3058E-02	2.7478E-01	162.4
			6	-1.4235E-01	1.9428E-01	2.3764E-01	126.8
			7	4.6449E-02	4.7154E-02	6.6183E-02	45.4
			8	-7.1813E-02	2.2386E-01	2.3514E-01	167.8
			9	-9.9104E-02	-3.3955E-02	1.0476E-01	198.0
			10	-7.2404E-02	-2.2714E-02	7.5884E-02	197.4

TABLE 6.- CONTINUED

## c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003HANG	5	-6.674E+00	1	-1.7048E+00	4.5494E+00	4.8583E+01	110.5
			2	4.0683E-01	-4.0727E-01	5.7566E-01	315.0
			3	-1.7643E-01	5.2467E-01	5.5354E-01	108.6
			4	-5.0769E-02	4.5701E-01	4.5982E-01	96.3
			5	-2.6368E-01	2.7622E-02	2.6513E-01	174.6
			6	-1.8579E-01	2.6104E-01	3.2441E-01	125.4
			7	7.4458E-02	7.7981E-02	1.0782E-01	46.3
			8	-9.2081E-02	2.7874E-01	2.9355E-01	168.3
			9	-8.1249E-02	-4.7425E-02	6.3869E-02	210.1
			10	-7.5068E-02	-5.5103E-02	9.3121E-02	216.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003HANG	6	-7.648E+00	1	-1.3925E+00	5.1603E+00	5.3449E+00	165.1
			2	3.0010E-01	-5.2087E-01	6.0114E-01	299.9
			3	-1.4978E-01	5.9578E-01	6.1432E-01	164.1
			4	-2.4144E-02	4.1978E-01	4.2047E-01	93.3
			5	-3.1927E-01	2.5995E-03	3.1928E-01	179.5
			6	-7.2326E-02	3.1544E-01	3.2363E-01	102.9
			7	7.2542E-02	-1.6331E-02	7.4358E-02	347.3
			8	-5.4349E-02	2.7827E-01	2.8353E-01	141.1
			9	-1.6789E-01	-1.3522E-01	2.1554E-01	218.9
			10	-1.3208E-01	-5.3559E-02	1.4252E-01	202.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003HANG	7	-8.818E+00	1	-1.6716E+00	5.8603E+00	6.8940E+00	165.9
			2	3.3138E-01	-5.0136E-01	6.0698E-01	303.5
			3	-1.9646E-01	5.3881E-01	5.7351E-01	114.8
			4	-3.9365E-02	3.6390E-01	3.6642E-01	92.2
			5	-4.5988E-01	-1.4367E-01	4.7322E-01	197.7
			6	-9.1895E-02	3.8833E-01	3.9887E-01	76.8
			7	-6.5212E-02	1.2724E-01	1.4298E-01	117.1
			8	-6.2426E-02	4.8368E-01	4.8770E-01	97.4
			9	-1.1281E-01	-1.5850E-01	1.9455E-01	234.6
			10	-4.8139E-02	-1.0145E-01	1.1220E-01	244.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB13	2	3.720E+02	1	-2.4801E+00	-2.6587E+00	3.6359E+00	227.4
			2	3.2268E+00	1.9018E+01	1.9281E+01	80.4
			3	8.1163E-01	-1.9618E+01	1.9635E+01	272.4
			4	8.7504E+00	6.7427E+01	8.7764E+01	4.4
			5	8.4165E+00	-6.5839E+00	1.0374E+01	321.6
			6	9.8318E+00	1.8941E+01	9.9665E+00	10.4
			7	-5.2440E-01	7.3750E+01	7.3935E+01	94.1
			8	-1.2048E+01	6.9488E+00	1.3888E+01	156.2
			9	-3.0501E+00	-9.9721E-01	3.2290E+00	198.1
			10	-2.5730E+00	3.6371E+00	4.4552E+00	125.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB13	3	3.855E+02	1	-7.9054E+00	5.6437E+00	9.6910E+00	144.7
			2	-9.9274E+00	2.4789E+01	2.6703E+01	111.8
			3	1.4923E+01	-5.4211E+01	5.6214E+01	285.3
			4	1.1852E+01	-2.5991E+00	1.2134E+01	347.6
			5	1.0412E+00	-1.8640E+01	1.8637E+01	273.2
			6	1.2456E+01	1.3227E+01	1.7897E+01	47.7
			7	-7.3374E+00	6.4457E+00	9.7665E+00	138.7
			8	-2.9343E+01	1.9615E+00	2.9448E+01	176.2
			9	-1.0161E+01	-8.0394E+00	1.3193E+01	217.5
			10	-9.9538E+00	-7.3496E-01	9.9809E+00	184.2

TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB13	4	3.814E+02	1	-1.9085E+01	-1.3064E+01	2.3127E+01	214.4
			2	-8.9014E+00	2.8468E+01	2.9827E+01	147.4
			3	-4.7270E+00	-7.6374E+01	7.6520E+01	266.5
			4	2.0255E+01	-2.2751E+01	3.0461E+01	311.7
			5	-1.3520E+00	-2.4958E+01	2.4995E+01	266.9
			6	2.8209E+01	1.3737E+01	3.1376E+01	26.9
			7	-1.7848E+01	9.8274E+00	9.8290E+00	91.0
			8	-3.8184E+01	1.6346E+01	4.1536E+01	156.8
			9	-7.4035E+00	-1.7525E+01	1.9025E+01	247.1
			10	-7.9028E+00	1.4836E+00	8.4449E+00	169.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB13	5	3.955E+02	1	-5.8748E+01	-5.8593E+00	5.8887E+00	264.3
			2	-1.3030E+01	3.0568E+01	3.3233E+01	113.1
			3	3.6836E+00	-7.1908E+01	7.2002E+01	272.9
			4	3.0622E+01	-2.3425E+01	3.8554E+01	322.5
			5	1.1661E+01	-3.4547E+01	3.6274E+01	287.8
			6	3.3324E+01	1.6373E+01	3.4901E+01	17.3
			7	-3.0615E+02	1.2132E+01	1.2513E+01	144.2
			8	-4.5517E+01	1.2914E+01	4.5847E+01	166.5
			9	2.3261E+00	-2.8943E+01	2.8996E+01	274.6
			10	-1.0765E+01	-7.0921E+00	1.2891E+01	213.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB13	6	3.914E+02	1	-2.1816E+01	1.0549E+01	2.4233E+01	154.2
			2	-1.0932E+01	2.9247E+01	3.1224E+01	116.5
			3	-1.4323E+02	-7.8214E+01	7.8227E+01	269.0
			4	2.7061E+01	-3.3342E+01	4.2942E+01	309.1
			5	1.2325E+00	-4.6617E+01	4.6633E+01	271.5
			6	3.9783E+01	-1.7012E+01	4.3267E+01	336.8
			7	2.1391E+01	1.1110E+01	1.1102E+01	88.9
			8	-1.9696E+01	2.9258E+01	3.5276E+01	123.9
			9	-2.0679E+01	-4.2441E+01	4.7207E+01	244.9
			10	-7.8188E+00	-4.2937E+00	8.9202E+00	208.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB13	7	3.972E+02	1	-3.9455E+01	2.0477E+01	4.4453E+01	152.6
			2	-1.1711E+01	2.9952E+01	3.2158E+01	111.4
			3	2.5669E+01	-7.6651E+01	8.0832E+01	288.5
			4	3.6882E+01	-5.0700E+01	6.2696E+01	346.9
			5	9.7434E+00	-3.5913E+01	3.7211E+01	285.2
			6	4.7152E+01	-3.6242E+01	5.9349E+01	322.6
			7	1.1089E+01	6.2392E+00	1.2724E+01	129.4
			8	-4.5155E+01	2.1679E+01	5.0089E+01	154.4
			9	1.1288E+01	-5.6933E+01	5.8041E+01	281.2
			10	-1.6060E+01	-1.2896E+01	2.0604E+01	218.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB18	2	5.672E+01	1	1.5726E+01	-4.1488E+01	4.4369E+01	290.8
			2	1.0514E+01	3.0693E+01	3.2444E+01	71.1
			3	-3.4245E+00	-2.6553E+01	2.6772E+01	262.7
			4	1.1555E+01	-3.2816E+00	1.2012E+01	344.1
			5	8.1618E+00	-3.8162E+00	9.0099E+00	334.9
			6	8.2620E+00	1.6911E+00	8.4333E+00	11.6
			7	-5.4740E+01	7.6611E+00	7.6806E+00	94.1
			8	-8.2871E+00	7.2171E+00	1.0099E+01	138.9
			9	-1.1614E+00	-7.7665E+01	1.3972E+00	213.8
			10	-1.6480E+00	3.8027E+00	4.1448E+00	113.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB18	3	6.309E+01	1	1.6489E+01	-4.9153E+01	5.1845E+01	288.5
			2	-8.7525E+00	3.7893E+01	3.8890E+01	193.9
			3	1.3131E+01	-6.6267E+01	6.7555E+01	281.2
			4	1.2348E+01	-9.1344E+00	1.5360E+01	323.5
			5	5.7894E+01	-1.6627E+01	1.6637E+01	272.9
			6	1.2652E+01	1.2489E+01	1.7778E+01	44.6
			7	-4.4742E+00	8.4438E+00	9.5559E+00	117.9
			8	-2.1904E+01	4.9071E+00	2.2447E+01	167.4
			9	-6.5395E+00	-6.8936E+00	9.5022E+00	226.5
			10	-7.3158E+00	4.1759E+01	7.3277E+00	176.7

TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB18	4	5.746E+01	1	1.4583E+01	-5.4577E+01	6.5439E+01	279.3
			2	-9.4438E+01	4.9444E+01	4.1532E+01	103.1
			3	-1.1844E+01	-9.5111E+01	9.5850E+01	262.9
			4	2.1416E+01	-2.4242E+01	3.2347E+01	311.5
			5	-2.2513E+00	-2.6028E+01	2.6126E+01	265.1
			6	3.0463E+01	1.2265E+01	3.2839E+01	21.0
			7	-1.1835E+01	1.1465E+01	1.1124E+01	96.1
			8	-2.5876E+01	1.6081E+01	3.4465E+01	146.1
			9	-3.8325E+00	-1.3747E+01	1.3624E+01	253.7
			10	-6.1660E+00	1.4983E+01	6.1679E+00	178.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB18	5	7.204E+01	1	2.4818E+01	-6.3912E+01	6.8561E+01	291.2
			2	-1.6632E+01	3.9737E+01	4.3477E+01	112.7
			3	9.5445E+00	-9.0394E+01	9.2414E+01	271.6
			4	2.7252E+01	-3.0497E+01	4.1254E+01	311.3
			5	9.6281E+00	-3.6400E+01	3.7274E+01	285.9
			6	3.4824E+01	8.8281E+00	3.5025E+01	14.2
			7	6.9333E+02	1.1065E+01	1.1065E+01	89.6
			8	-3.2995E+01	1.1779E+01	3.4188E+01	159.8
			9	4.2184E+00	-2.4652E+01	2.5614E+01	279.7
			10	-6.6621E+00	-3.8661E+00	7.7260E+00	210.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB18	6	7.437E+01	1	7.0598E+00	-6.9558E+01	6.9968E+01	276.6
			2	-1.1393E+01	4.9849E+01	4.2408E+01	145.6
			3	-7.7428E+00	-9.8921E+01	9.9221E+01	265.5
			4	2.8292E+01	-4.2457E+01	5.1024E+01	303.7
			5	4.4829E+01	-4.5840E+01	4.5851E+01	278.9
			6	3.7727E+01	-2.9615E+01	4.2992E+01	331.3
			7	3.4641E+00	1.4855E+01	1.5169E+01	76.3
			8	-1.1356E+01	2.7535E+01	2.9785E+01	112.4
			9	-1.4272E+01	-3.4424E+01	3.7265E+01	247.5
			10	-5.0423E+00	-1.0615E+01	5.1528E+00	191.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB18	7	8.172E+01	1	4.5911E+00	-6.3163E+01	6.3329E+01	274.2
			2	-2.4323E+01	4.0269E+01	4.7045E+01	121.1
			3	2.5295E+01	-1.0258E+02	1.0565E+02	283.9
			4	3.8396E+01	-5.7706E+01	6.9313E+01	343.6
			5	5.6849E+00	-4.9868E+01	4.1262E+01	277.9
			6	5.1430E+01	-3.6313E+01	6.2965E+01	324.8
			7	3.0974E+00	8.1373E+01	8.7033E+00	69.2
			8	-3.3578E+01	2.6335E+01	4.2674E+01	141.9
			9	1.1833E+01	-4.6435E+01	4.7559E+01	262.4
			10	-9.9859E+00	-1.1052E+01	1.4841E+01	228.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB38	2	1.611E+02	1	4.2623E+01	-1.0048E+02	1.0914E+02	293.0
			2	2.2759E+01	4.3319E+01	4.8037E+01	64.4
			3	4.4300E+00	-2.7979E+01	2.8328E+01	279.0
			4	8.2867E+00	-1.7849E+01	8.4596E+00	348.4
			5	2.7262E+00	1.5552E+01	2.7306E+02	3.3
			6	8.9159E+01	-2.2185E+00	2.3919E+00	291.9
			7	-3.3491E+01	-2.6424E+02	3.3595E+01	184.5
			8	2.6732E+00	-7.6769E+01	2.7812E+00	344.8
			9	2.4949E+01	-5.1752E+01	5.7452E+01	295.7
			10	4.1100E+01	-2.0396E+00	2.0806E+00	281.4

ORIGINAL PAGE IS  
OF POOR QUALITY

TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB38	3	1.333E+02	1	5.5395E+01	-1.2361E+02	1.3545E+02	294.1
			2	-1.4349E+01	4.5967E+01	4.7118E+01	142.7
			3	2.2356E+01	-6.5734E+01	6.0423E+01	288.8
			4	8.9794E+01	-8.8841E+00	1.2632E+01	315.3
			5	-3.4230E+00	-6.5123E+00	7.3571E+00	242.3
			6	1.3548E+00	-3.5454E+01	1.4604E+00	345.3
			7	4.8173E+01	-6.4919E+01	8.0847E+01	346.6
			8	6.5821E+00	-7.9952E+01	6.6305E+00	353.1
			9	1.5499E+00	1.3754E+00	2.0654E+00	41.8
			10	2.8912E+00	-1.4719E+01	2.8950E+00	357.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB38	4	1.237E+02	1	5.7413E+01	-1.3591E+02	1.4754E+02	292.9
			2	-1.6959E+01	4.6357E+01	4.9362E+01	112.1
			3	-7.5839E+00	-9.9302E+01	9.9591E+01	265.2
			4	1.5584E+01	-1.6692E+01	2.2836E+01	313.4
			5	-5.5568E+02	-1.3465E+01	1.4198E+01	247.0
			6	5.5828E+00	-1.4949E+00	5.7795E+00	345.1
			7	-3.0234E+00	-2.2267E+00	3.7388E+00	216.6
			8	9.0060E+00	-5.4468E+00	1.0324E+01	334.7
			9	-2.8566E+01	4.7962E+00	4.8247E+01	93.4
			10	2.0069E+00	-1.5512E+00	2.5366E+00	322.3
RUN FTRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB38	5	1.191E+02	1	6.7572E+01	-1.4243E+02	1.5765E+02	295.4
			2	-3.2315E+01	3.8796E+01	5.4492E+01	129.3
			3	6.1999E+00	-9.3301E+01	9.3507E+01	273.8
			4	1.5211E+01	-2.3794E+01	2.8241E+01	302.6
			5	-4.4119E+01	-1.7381E+01	1.7387E+01	268.5
			6	4.6289E+00	-4.7915E+00	6.6623E+00	314.4
			7	-1.5281E+02	-4.9833E+02	4.9833E+01	269.8
			8	1.1450E+01	-3.6903E+01	1.1653E+01	341.5
			9	-4.4774E+00	8.0981E+00	9.0667E+00	116.7
			10	3.4961E+00	1.8176E+00	3.5902E+00	30.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB38	6	1.153E+02	1	5.5054E+01	-1.5321E+02	1.6281E+02	289.3
			2	-2.8104E+01	4.3122E+01	5.1472E+01	123.1
			3	-2.7548E+00	-1.0739E+02	1.0742E+02	264.5
			4	1.9981E+01	-3.2876E+01	3.8412E+01	304.1
			5	-4.1770E+00	-2.4847E+01	2.1261E+01	258.7
			6	2.0303E+00	-1.2932E+01	1.3801E+01	278.9
			7	-4.7823E+01	-2.2106E+00	2.2612E+00	257.3
			8	4.3293E+00	-7.6075E+00	8.7433E+00	299.5
			9	3.5794E+00	1.3612E+01	1.4073E+01	73.3
			10	1.1581E+00	-1.4548E+02	1.1582E+00	359.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB38	7	1.033E+02	1	6.9968E+01	-1.5766E+02	1.7249E+02	293.9
			2	-5.3963E+01	3.5677E+01	6.3941E+01	146.1
			3	3.1977E+01	-1.1382E+02	1.1823E+02	285.7
			4	-2.1446E+01	-3.7135E+01	4.2883E+01	302.9
			5	-5.5651E+00	-2.9891E+01	2.1620E+01	255.1
			6	1.0253E+01	-1.7887E+01	2.4617E+01	299.8
			7	-4.9564E+00	-5.3148E+00	7.2741E+00	226.9
			8	1.3547E+01	-3.9933E+00	1.4123E+01	343.6
			9	-7.1293E+00	1.8768E+01	2.0076E+01	114.8
			10	4.3393E+00	2.4384E+00	4.9775E+00	29.3

TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB46	2	1.853E+02	1	3.5082E+01	-9.3284E+01	9.9663E+01	290.6
			2	1.1189E+01	3.0671E+01	3.2645E+01	71.9
			3	6.2561E+00	-1.7995E+01	1.9051E+01	289.2
			4	4.2319E+00	-1.2607E+01	4.4157E+00	343.4
			5	8.6737E-01	1.5931E+01	1.8138E+01	61.4
			6	-1.7320E+00	-2.7274E+01	1.7531E+01	188.9
			7	6.3145E-01	-1.6108E+01	1.7301E+00	291.4
			8	4.7814E+00	-1.9883E+00	5.1753E+00	337.5
			9	-8.8534E-01	1.4693E+01	8.9745E+01	179.6
			10	7.9348E-01	-1.1327E+01	1.3829E+00	305.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB46	3	1.529E+02	1	4.9640E+01	-1.0550E+02	1.1660E+02	295.2
			2	-1.4155E+01	2.9744E+01	3.2945E+01	115.5
			3	1.9552E+01	-4.2355E+01	4.6654E+01	294.8
			4	4.3390E+00	-4.7338E+00	6.2228E+00	310.5
			5	-5.4336E-01	1.3137E+00	1.4216E+00	112.5
			6	-2.4816E+00	-2.6262E+00	3.6132E+00	226.5
			7	2.6832E+00	-2.7697E+00	3.8563E+00	314.1
			8	1.2280E+01	-1.8661E+00	1.2342E+01	351.3
			9	3.0302E+00	2.8288E+00	4.1454E+00	43.4
			10	3.4786E+00	-6.6831E+01	3.5497E+00	349.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB46	4	1.416E+02	1	5.0524E+01	-1.2154E+02	1.3162E+02	292.6
			2	-1.9464E+01	3.8515E+01	3.6194E+01	122.5
			3	-3.2175E+00	-6.6816E+01	6.8893E+01	267.2
			4	6.8338E+00	-5.0821E+00	8.5164E+00	323.4
			5	-1.9667E+01	-7.4213E+01	7.8774E+01	255.2
			6	-2.8537E+00	-8.7613E+00	9.2143E+00	252.4
			7	-3.6025E+01	-4.1593E+00	4.1749E+00	265.9
			8	1.5002E+01	-7.3492E+00	1.6786E+01	334.8
			9	1.5203E+00	7.4811E+00	7.6144E+00	78.5
			10	3.6558E+00	-3.6941E+01	3.6745E+00	354.0
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB46	5	1.341E+02	1	6.5295E+01	-1.2398E+02	1.4012E+02	297.8
			2	-3.3755E+01	2.2374E+01	4.8496E+01	146.5
			3	7.1122E+00	-6.1668E+01	6.2477E+01	276.6
			4	4.3523E+00	-1.1327E+01	1.1246E+01	292.9
			5	1.0490E+01	-1.9947E+00	2.2537E+00	297.7
			6	-5.8683E+00	-4.8447E+00	7.1271E+00	214.6
			7	6.2759E+01	-6.3254E+00	6.3565E+00	275.7
			8	1.9168E+01	-5.1589E+00	1.9858E+01	344.9
			9	-3.6961E+00	1.2991E+01	1.3420E+01	166.9
			10	2.9688E+00	2.3117E+00	3.7627E+00	37.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB46	6	1.291E+02	1	4.9747E+01	-1.3341E+02	1.4238E+02	298.5
			2	-3.2033E+01	2.6623E+01	4.1653E+01	148.3
			3	8.3841E+01	-7.6822E+01	7.6027E+01	278.6
			4	6.0442E+00	-1.2545E+01	1.3926E+01	295.7
			5	2.1302E+00	-2.7757E+00	3.4989E+00	307.5
			6	-6.5734E+00	-2.6974E+00	7.1453E+00	242.3
			7	-1.8098E+00	-7.5163E+01	7.7311E+00	256.5
			8	7.6853E+00	-1.3197E+01	1.5194E+01	309.4
			9	8.8696E+00	2.1194E+01	2.2975E+01	67.3
			10	3.9413E+00	-1.2531E+00	4.1358E+00	342.4

ORIGINAL PAGE IS  
OF POOR QUALITY

TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB46	7	1.183E+02	1	5.9138E+01	-1.4335E+02	1.5507E+02	292.4
			2	-5.7708E+01	1.7183E+01	6.0212E+01	163.4
			3	2.6668E+01	-7.7618E+01	8.2071E+01	289.4
			4	9.3803E+00	-1.3765E+01	1.6668E+01	304.3
			5	5.8897E-01	-5.2856E+00	5.3183E+00	276.4
			6	-5.6941E+00	4.1195E+00	7.0280E+00	144.1
			7	-3.5173E+00	-7.0833E+00	7.9086E+00	243.6
			8	2.2646E+01	-1.1091E+01	2.5217E+01	333.9
			9	-5.9278E+00	2.7013E+01	2.7656E+01	102.4
			10	5.9123E+00	5.1922E+00	7.8686E+00	41.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB53	2	1.399E+01	1	3.7746E+01	-9.8983E+01	1.4594E+02	290.9
			2	3.9700E+00	2.6399E+01	2.6696E+01	81.4
			3	6.9802E+00	-1.3972E+01	1.5618E+01	296.5
			4	3.0429E-01	-9.3112E+01	9.7955E+01	288.1
			5	-3.9174E-02	3.0164E+00	3.0163E+00	91.7
			6	-3.2836E+00	1.0404E+00	3.4473E+00	162.3
			7	6.7814E-02	-2.4155E+00	2.4165E+00	271.6
			8	4.9596E+00	-3.2117E+00	5.9087E+00	327.1
			9	5.4799E-01	6.0093E+01	8.1927E+01	48.4
			10	2.9010E-01	-1.9777E+00	1.9988E+00	278.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB53	3	-3.760E+01	1	5.5942E+01	-1.1352E+02	1.2655E+02	296.2
			2	-2.2206E+01	2.4936E+01	3.3391E+01	131.7
			3	1.9656E+01	-3.5475E+01	4.0557E+01	299.0
			4	-8.3443E-01	-1.7819E+00	1.8955E+00	243.9
			5	1.4359E+00	6.6769E+00	6.8295E+00	77.9
			6	-4.0408E+00	-2.3934E+00	4.5964E+00	210.6
			7	3.5675E+00	-3.8721E+00	5.2650E+00	312.7
			8	1.2910E+01	-2.8647E+00	1.3074E+01	358.9
			9	3.7084E+00	4.5200E+00	5.8466E+00	58.6
			10	4.2199E+00	-9.1407E+01	4.3178E+00	347.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB53	4	-5.200E+01	1	5.7803E+01	-1.1958E+02	1.3282E+02	295.3
			2	-2.6725E+01	2.6464E+01	3.7606E+01	135.3
			3	-3.2751E+00	-5.7595E+01	5.7688E+01	266.7
			4	-1.2664E+00	3.3275E+00	3.5603E+00	119.8
			5	3.3423E+00	8.0490E+00	8.7153E+00	67.4
			6	-8.9184E+00	-1.6300E+00	9.4661E+00	198.4
			7	1.3840E+00	-3.7196E+00	3.9687E+00	290.4
			8	1.5636E+01	-6.2888E+00	1.6853E+01	338.1
			9	3.5129E+00	8.2722E+00	8.9872E+00	67.0
			10	4.2306E+00	4.5522E+01	4.2558E+00	6.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB53	5	-7.068E+01	1	6.4304E+01	-1.2716E+02	1.4249E+02	296.8
			2	-4.3321E+01	1.7415E+01	4.6694E+01	158.1
			3	6.8529E+00	-5.2637E+01	5.3281E+01	277.4
			4	-5.5911E+00	-1.2400E+01	5.5925E+00	181.3
			5	1.3209E+00	1.0152E+01	1.0237E+01	82.6
			6	-1.0282E+01	-1.1956E+00	1.0351E+01	186.6
			7	2.6891E+01	-5.5004E+00	5.9069E+00	272.8
			8	1.9157E+01	-3.5533E+00	1.9484E+01	349.5
			9	-5.0854E+01	1.6061E+01	1.6069E+01	91.8
			10	4.4482E+00	1.0158E+00	4.5627E+00	12.9

TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB53	6	-8.665E+01	1	5.7666E+01	-1.4135E+02	1.5266E+02	292.2
			2	-4.6663E+01	2.3729E+01	5.2346E+01	153.1
			3	9.8278E-01	-6.6546E+01	6.6553E+01	274.8
			4	-1.2985E+00	1.5733E+00	1.9839E+00	127.5
			5	4.9890E+00	9.0719E+00	1.0353E+01	61.2
			6	-1.1498E+01	6.6802E+00	1.3298E+01	149.8
			7	-2.3138E+00	-5.6331E+00	6.0898E+00	247.7
			8	1.0391E+01	-1.3222E+01	1.6816E+01	308.2
			9	1.1278E+01	2.0041E+01	2.2996E+01	60.6
			10	2.0121E+00	-5.7115E-02	2.9127E+00	358.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB53	7	-1.130E+02	1	7.2887E+01	-1.4599E+02	1.6318E+02	296.5
			2	-7.5362E+01	9.9057E+00	7.6010E+01	172.5
			3	2.4202E+01	-6.8350E+01	7.2508E+01	289.5
			4	-7.9419E-01	3.0237E+00	3.1263E+00	104.7
			5	4.4702E+00	8.0733E+00	9.2282E+00	61.0
			6	-1.6391E+01	9.8233E+00	1.9114E+01	149.1
			7	-3.7473E+01	-5.3993E+00	6.5723E+00	235.2
			8	2.3328E+01	-1.1948E+01	2.6206E+01	332.9
			9	-9.0987E-01	2.8505E+01	2.8521E+01	91.8
			10	6.2306E+00	6.5968E+00	9.0741E+00	46.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB90	2	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	352.2
			2	0.0000E+00	0.0000E+00	0.0000E+00	254.1
			3	0.0000E+00	0.0000E+00	0.0000E+00	226.5
			4	0.0000E+00	0.0000E+00	0.0000E+00	117.9
			5	0.0000E+00	0.0000E+00	0.0000E+00	321.5
			6	0.0000E+00	0.0000E+00	0.0000E+00	191.1
			7	0.0000E+00	0.0000E+00	0.0000E+00	48.2
			8	0.0000E+00	0.0000E+00	0.0000E+00	122.9
			9	0.0000E+00	0.0000E+00	0.0000E+00	252.7
			10	0.0000E+00	0.0000E+00	0.0000E+00	357.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB90	3	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	72.8
			2	0.0000E+00	0.0000E+00	0.0000E+00	349.9
			3	0.0000E+00	0.0000E+00	0.0000E+00	168.1
			4	0.0000E+00	0.0000E+00	0.0000E+00	337.0
			5	0.0000E+00	0.0000E+00	0.0000E+00	251.4
			6	0.0000E+00	0.0000E+00	0.0000E+00	41.7
			7	0.0000E+00	0.0000E+00	0.0000E+00	223.1
			8	0.0000E+00	0.0000E+00	0.0000E+00	333.2
			9	0.0000E+00	0.0000E+00	0.0000E+00	79.1
			10	0.0000E+00	0.0000E+00	0.0000E+00	235.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004FB90	4	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	76.8
			2	0.0000E+00	0.0000E+00	0.0000E+00	190.9
			3	0.0000E+00	0.0000E+00	0.0000E+00	170.1
			4	0.0000E+00	0.0000E+00	0.0000E+00	303.4
			5	0.0000E+00	0.0000E+00	0.0000E+00	221.4
			6	0.0000E+00	0.0000E+00	0.0000E+00	129.7
			7	0.0000E+00	0.0000E+00	0.0000E+00	170.6
			8	0.0000E+00	0.0000E+00	0.0000E+00	127.3
			9	0.0000E+00	0.0000E+00	0.0000E+00	111.5
			10	0.0000E+00	0.0000E+00	0.0000E+00	343.6

ORIGINAL PAGE IS  
OF POOR QUALITY

TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE	
37 004FB90	5	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	199.3	
			2	0.0000E+00	0.0000E+00	0.0000E+00	133.6	
			3	0.0000E+00	0.0000E+00	0.0000E+00	179.5	
			4	0.0000E+00	0.0000E+00	0.0000E+00	43.2	
			5	0.0000E+00	0.0000E+00	0.0000E+00	315.8	
			6	0.0000E+00	0.0000E+00	0.0000E+00	55.8	
			7	0.0000E+00	0.0000E+00	0.0000E+00	87.1	
			8	0.0000E+00	0.0000E+00	0.0000E+00	181.2	
			9	0.0000E+00	0.0000E+00	0.0000E+00	207.3	
			10	0.0000E+00	0.0000E+00	0.0000E+00	262.7	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE	
37 004FB90	6	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	355.7	
			2	0.0000E+00	0.0000E+00	0.0000E+00	31.4	
			3	0.0000E+00	0.0000E+00	0.0000E+00	256.3	
			4	0.0000E+00	0.0000E+00	0.0000E+00	348.7	
			5	0.0000E+00	0.0000E+00	0.0000E+00	58.1	
			6	0.0000E+00	0.0000E+00	0.0000E+00	57.5	
			7	0.0000E+00	0.0000E+00	0.0000E+00	95.1	
			8	0.0000E+00	0.0000E+00	0.0000E+00	217.7	
			9	0.0000E+00	0.0000E+00	0.0000E+00	115.4	
			10	0.0000E+00	0.0000E+00	0.0000E+00	116.9	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE	
37 004FB90	7	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	9.4	
			2	0.0000E+00	0.0000E+00	0.0000E+00	4.0	
			3	0.0000E+00	0.0000E+00	0.0000E+00	134.7	
			4	0.0000E+00	0.0000E+00	0.0000E+00	112.4	
			5	0.0000E+00	0.0000E+00	0.0000E+00	73.6	
			6	0.0000E+00	0.0000E+00	0.0000E+00	265.3	
			7	0.0000E+00	0.0000E+00	0.0000E+00	144.6	
			8	0.0000E+00	0.0000E+00	0.0000E+00	336.6	
			9	0.0000E+00	0.0000E+00	0.0000E+00	214.8	
			10	0.0000E+00	0.0000E+00	0.0000E+00	229.7	
RUN FIRST 1/R	CH	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003FB46	4	-1.175E+02	1	6.4398E+01	-1.6354E+02	1.7577E+02	291.5	
			2	-1.6066E+01	3.9912E+01	4.3024E+01	111.9	
			3	1.6607E+01	-2.9758E+01	3.4479E+01	299.2	
			4	-2.9621E+00	-8.9503E+00	9.4277E+00	288.3	
			5	-9.9142E-01	-2.3537E+00	2.5540E+00	247.2	
			6	-5.4535E+00	-4.8508E+00	7.2987E+00	221.7	
			7	-8.0370E-01	-6.0882E+00	6.1410E+00	262.5	
			8	1.7514E+01	-1.1302E+01	2.9845E+01	327.2	
			9	1.5398E+00	6.5847E+00	6.7624E+00	76.8	
			10	1.2215E+00	-7.8098E-01	1.4498E+00	327.4	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE	
37 003FB46	5	-1.254E+02	1	7.4030E+01	-1.7078E+02	1.8613E+02	293.4	
			2	-2.8942E+01	3.9969E+01	4.2388E+01	133.1	
			3	2.9425E+01	-2.9965E+01	4.1997E+01	314.5	
			4	3.3300E+00	-1.2905E+01	1.3327E+01	284.5	
			5	9.4070E-01	-3.4849E+00	3.6458E+00	285.1	
			6	-5.9738E+00	-7.1884E+00	9.3463E+00	238.3	
			7	-1.7197E+00	-7.8476E+00	8.0338E+00	257.6	
			8	1.8064E+01	-1.0744E+01	2.1017E+01	329.3	
			9	9.1742E-02	5.9701E+00	5.9708E+00	89.1	
			10	-2.5232E+00	-2.9828E-01	2.5408E+00	353.3	

TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003FB46	6	-1.313E+02	1	6.5256E+01	-1.7941E+02	1.9091E+02	290.0
			2	-2.7576E+01	3.3574E+01	4.3447E+01	129.4
			3	3.7045E+01	-4.0906E+01	5.5187E+01	312.2
			4	-2.7847E+00	-1.4122E+01	1.4393E+01	281.2
			5	-2.3177E+00	-1.9551E+00	3.0322E+00	220.1
			6	-6.4763E+00	-2.5843E+00	6.9728E+00	201.8
			7	-1.1869E+00	-4.9853E+00	5.1247E+00	256.6
			8	1.7848E+01	-1.3030E+01	2.2098E+01	323.9
			9	1.3423E+00	1.3651E+01	1.3717E+01	84.4
			10	4.4027E+00	-9.1840E-01	4.4975E+00	348.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003FB46	7	-1.491E+02	1	8.6274E+01	-1.8358E+02	2.0037E+02	293.6
			2	-5.0607E+01	2.5152E+01	6.6513E+01	163.6
			3	7.0082E+01	-3.1381E+01	7.6787E+01	335.9
			4	6.0978E+00	-2.0012E+01	2.0921E+01	286.9
			5	-6.6419E-01	-4.0861E+00	4.1397E+00	260.8
			6	-1.0023E+01	-2.7355E+00	1.0390E+01	195.3
			7	-1.8169E-01	-9.0284E+00	9.0303E+00	268.8
			8	2.1971E+01	-1.3484E+01	2.5779E+01	328.5
			9	-5.7068E+00	2.6306E+01	2.6918E+01	102.2
			10	4.1069E+00	5.1884E+00	6.6171E+00	51.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003FB90	2	-1.899E+01	1	-1.1283E+01	-5.5435E+01	5.6572E+01	258.5
			2	-3.8506E-01	-5.8374E+00	5.8501E+00	266.2
			3	9.2543E+00	1.9997E+01	2.2034E+01	65.2
			4	-9.7190E+00	2.7545E+00	1.4102E+01	164.2
			5	-1.1657E+01	4.8588E-01	1.1667E+01	177.6
			6	-3.4995E+00	-9.7829E+00	1.0399E+01	250.3
			7	6.7939E-01	6.7992E-01	9.6117E-01	45.8
			8	-8.6183E+00	6.8721E+00	1.1423E+01	141.4
			9	4.3067E+01	-2.8245E+00	2.8572E+00	278.7
			10	1.9942E+00	-7.5005E-01	2.1305E+00	339.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003FB90	3	-5.336E+01	1	-4.5673E+00	-5.5353E+01	5.5541E+01	265.3
			2	-4.4656E+00	-1.0635E+01	1.1535E+01	247.2
			3	6.4940E+00	2.2879E+01	2.3782E+01	74.2
			4	-1.2316E+01	3.3003E+00	1.2751E+01	165.4
			5	-2.2163E+00	1.4600E+00	2.6540E+00	146.6
			6	-2.6247E+00	-3.6241E+00	4.4747E+00	234.1
			7	-2.3557E+00	3.8719E+00	4.5322E+00	121.3
			8	-2.8148E+01	5.0638E+00	2.8600E+01	169.8
			9	-8.9452E+00	-1.5045E+01	1.7503E+01	239.3
			10	5.3769E-01	-3.0211E+00	3.0686E+00	280.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003FB90	4	-5.534E+01	1	-5.6041E+00	-4.9560E+01	4.9876E+01	263.5
			2	-6.9114E+00	-7.5895E+00	9.6818E+00	231.6
			3	3.2847E-01	2.0095E+01	2.0098E+01	89.1
			4	-1.3344E+01	9.2278E+00	1.6223E+01	145.3
			5	-1.2188E+00	1.0692E+01	1.0761E+01	96.5
			6	-9.6832E+00	-3.5007E+00	1.0297E+01	199.9
			7	-1.3811E+00	3.6574E+00	3.9045E+00	110.7
			8	-3.4232E+01	9.1510E+00	3.5434E+01	165.8
			9	-7.7639E+00	-2.2849E+01	2.4132E+01	251.2
			10	-2.0840E+00	-5.3092E+00	5.7036E+00	248.6

TABLE 6.- CONTINUED

ORIGINAL PAGE IS  
OF POOR QUALITY

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE	
37 003FB90	5	-7.153E+01	1	-3.7341E+00	-5.3837E+01	5.3966E+01	266.9	
			2	-1.4795E+01	-1.1391E+01	1.8672E+01	217.6	
			3	1.9213E+00	2.0777E+01	-2.0866E+01	84.7	
			4	-1.5350E+01	6.0047E+00	1.6482E+01	158.6	
			5	-2.6519E+00	1.3806E+01	1.4058E+01	108.9	
			6	-1.3494E+01	1.4506E+00	1.3572E+01	173.9	
			7	-6.1111E+00	8.3600E+00	8.5138E+00	79.1	
			8	-3.2838E+01	7.9036E+00	3.3776E+01	166.5	
			9	-3.5790E+00	-2.6754E+01	2.6993E+01	262.4	
			10	-2.8977E+00	-1.0870E+01	1.1249E+01	255.1	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE	
37 003FB90	6	-8.916E+01	1	-1.0912E+01	-5.2873E+01	5.3988E+01	258.3	
			2	-2.2441E+01	-3.6002E+00	2.2728E+01	189.1	
			3	1.6062E+00	2.3887E+01	2.3941E+01	86.2	
			4	-1.5915E+01	1.0740E+01	1.9200E+01	146.9	
			5	3.7963E+01	1.5308E+01	1.5531E+01	88.6	
			6	-1.0437E+01	8.8179E+00	1.3664E+01	139.8	
			7	7.4501E+01	7.2948E+00	7.3328E+00	84.2	
			8	-3.0784E+01	7.4763E+00	3.1679E+01	166.3	
			9	-1.8645E+01	-3.4389E+01	3.9118E+01	241.5	
			10	-4.3378E+00	-6.9984E+00	8.2337E+00	238.2	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE	
37 003FB90	7	-1.087E+02	1	7.2784E+00	-5.8256E+01	5.8709E+01	277.1	
			2	-3.4816E+01	-1.7217E+01	3.8840E+01	206.3	
			3	5.2659E+00	1.9139E+01	1.9854E+01	74.6	
			4	-2.1423E+01	8.0153E+00	2.2874E+01	159.5	
			5	3.5952E+00	8.1117E+00	8.8727E+00	66.1	
			6	-1.4111E+01	4.2384E+01	4.4671E+01	108.4	
			7	1.7440E+00	1.4071E+01	1.4178E+01	82.9	
			8	-3.4379E+01	4.8030E+00	3.4713E+01	172.0	
			9	8.1735E+01	-6.8655E+01	6.8660E+01	270.7	
			10	-7.7863E+00	-1.4822E+01	1.6743E+01	242.3	
RUN FIRST 1/R CH TP STEADY HN COS SIN RESULTANT SCPHASE								
37 004CB18	15	2	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	303.9
				2	0.0000E+00	0.0000E+00	0.0000E+00	88.4
				3	0.0000E+00	0.0000E+00	0.0000E+00	128.4
				4	0.0000E+00	0.0000E+00	0.0000E+00	23.5
				5	0.0000E+00	0.0000E+00	0.0000E+00	269.6
				6	0.0000E+00	0.0000E+00	0.0000E+00	132.9
				7	0.0000E+00	0.0000E+00	0.0000E+00	286.7
				8	0.0000E+00	0.0000E+00	0.0000E+00	252.4
				9	0.0000E+00	0.0000E+00	0.0000E+00	344.0
				10	0.0000E+00	0.0000E+00	0.0000E+00	280.5
RUN FIRST 1/R CH TP STEADY HN COS SIN RESULTANT SCPHASE								
37 004CB18	15	3	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	130.9
				2	0.0000E+00	0.0000E+00	0.0000E+00	11.1
				3	0.0000E+00	0.0000E+00	0.0000E+00	307.4
				4	0.0000E+00	0.0000E+00	0.0000E+00	323.8
				5	0.0000E+00	0.0000E+00	0.0000E+00	278.9
				6	0.0000E+00	0.0000E+00	0.0000E+00	327.3
				7	0.0000E+00	0.0000E+00	0.0000E+00	345.6
				8	0.0000E+00	0.0000E+00	0.0000E+00	312.4
				9	0.0000E+00	0.0000E+00	0.0000E+00	117.2
				10	0.0000E+00	0.0000E+00	0.0000E+00	222.6

TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	CH	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004CB18	15	4	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	268.8
				2	0.0000E+00	0.0000E+00	0.0000E+00	120.0
				3	0.0000E+00	0.0000E+00	0.0000E+00	70.2
				4	0.0000E+00	0.0000E+00	0.0000E+00	155.4
				5	0.0000E+00	0.0000E+00	0.0000E+00	323.0
				6	0.0000E+00	0.0000E+00	0.0000E+00	279.7
				7	0.0000E+00	0.0000E+00	0.0000E+00	133.5
				8	0.0000E+00	0.0000E+00	0.0000E+00	141.5
				9	0.0000E+00	0.0000E+00	0.0000E+00	45.5
				10	0.0000E+00	0.0000E+00	0.0000E+00	280.9
RUN FIRST 1/R	CH	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004CB18	15	5	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	38.7
				2	0.0000E+00	0.0000E+00	0.0000E+00	32.8
				3	0.0000E+00	0.0000E+00	0.0000E+00	285.4
				4	0.0000E+00	0.0000E+00	0.0000E+00	350.8
				5	0.0000E+00	0.0000E+00	0.0000E+00	38.0
				6	0.0000E+00	0.0000E+00	0.0000E+00	41.0
				7	0.0000E+00	0.0000E+00	0.0000E+00	326.1
				8	0.0000E+00	0.0000E+00	0.0000E+00	198.0
				9	0.0000E+00	0.0000E+00	0.0000E+00	177.4
				10	0.0000E+00	0.0000E+00	0.0000E+00	195.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE	
37 004CB18	6	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	282.5	
			2	0.0000E+00	0.0000E+00	0.0000E+00	266.8	
			3	0.0000E+00	0.0000E+00	0.0000E+00	353.9	
			4	0.0000E+00	0.0000E+00	0.0000E+00	326.8	
			5	0.0000E+00	0.0000E+00	0.0000E+00	223.5	
			6	0.0000E+00	0.0000E+00	0.0000E+00	138.2	
			7	0.0000E+00	0.0000E+00	0.0000E+00	78.5	
			8	0.0000E+00	0.0000E+00	0.0000E+00	308.0	
			9	0.0000E+00	0.0000E+00	0.0000E+00	177.8	
			10	0.0000E+00	0.0000E+00	0.0000E+00	188.9	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE	
37 004CB18	7	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	174.3	
			2	0.0000E+00	0.0000E+00	0.0000E+00	233.9	
			3	0.0000E+00	0.0000E+00	0.0000E+00	313.2	
			4	0.0000E+00	0.0000E+00	0.0000E+00	359.8	
			5	0.0000E+00	0.0000E+00	0.0000E+00	134.5	
			6	0.0000E+00	0.0000E+00	0.0000E+00	35.0	
			7	0.0000E+00	0.0000E+00	0.0000E+00	261.8	
			8	0.0000E+00	0.0000E+00	0.0000E+00	262.4	
			9	0.0000E+00	0.0000E+00	0.0000E+00	28.7	
			10	0.0000E+00	0.0000E+00	0.0000E+00	235.2	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE	
37 004CB90	2	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	49.6	
			2	0.0000E+00	0.0000E+00	0.0000E+00	225.7	
			3	0.0000E+00	0.0000E+00	0.0000E+00	284.0	
			4	0.0000E+00	0.0000E+00	0.0000E+00	129.2	
			5	0.0000E+00	0.0000E+00	0.0000E+00	63.1	
			6	0.0000E+00	0.0000E+00	0.0000E+00	7.2	
			7	0.0000E+00	0.0000E+00	0.0000E+00	285.2	
			8	0.0000E+00	0.0000E+00	0.0000E+00	167.1	
			9	0.0000E+00	0.0000E+00	0.0000E+00	144.5	
			10	0.0000E+00	0.0000E+00	0.0000E+00	13.3	

ORIGINAL PAGE IS  
OF POOR QUALITY

TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004CB90	3	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	155.0
			2	0.0000E+00	0.0000E+00	0.0000E+00	318.8
			3	0.0000E+00	0.0000E+00	0.0000E+00	157.1
			4	0.0000E+00	0.0000E+00	0.0000E+00	39.8
			5	0.0000E+00	0.0000E+00	0.0000E+00	13.0
			6	0.0000E+00	0.0000E+00	0.0000E+00	152.8
			7	0.0000E+00	0.0000E+00	0.0000E+00	49.7
			8	0.0000E+00	0.0000E+00	0.0000E+00	184.4
			9	0.0000E+00	0.0000E+00	0.0000E+00	134.7
			10	0.0000E+00	0.0000E+00	0.0000E+00	62.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004CB90	4	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	83.8
			2	0.0000E+00	0.0000E+00	0.0000E+00	225.0
			3	0.0000E+00	0.0000E+00	0.0000E+00	36.2
			4	0.0000E+00	0.0000E+00	0.0000E+00	49.2
			5	0.0000E+00	0.0000E+00	0.0000E+00	81.3
			6	0.0000E+00	0.0000E+00	0.0000E+00	205.7
			7	0.0000E+00	0.0000E+00	0.0000E+00	57.4
			8	0.0000E+00	0.0000E+00	0.0000E+00	211.2
			9	0.0000E+00	0.0000E+00	0.0000E+00	343.9
			10	0.0000E+00	0.0000E+00	0.0000E+00	77.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004CB90	5	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	285.7
			2	0.0000E+00	0.0000E+00	0.0000E+00	276.3
			3	0.0000E+00	0.0000E+00	0.0000E+00	357.5
			4	0.0000E+00	0.0000E+00	0.0000E+00	104.1
			5	0.0000E+00	0.0000E+00	0.0000E+00	117.4
			6	0.0000E+00	0.0000E+00	0.0000E+00	91.0
			7	0.0000E+00	0.0000E+00	0.0000E+00	238.3
			8	0.0000E+00	0.0000E+00	0.0000E+00	44.7
			9	0.0000E+00	0.0000E+00	0.0000E+00	283.9
			10	0.0000E+00	0.0000E+00	0.0000E+00	97.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004CB90	6	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	36.2
			2	0.0000E+00	0.0000E+00	0.0000E+00	147.2
			3	0.0000E+00	0.0000E+00	0.0000E+00	259.5
			4	0.0000E+00	0.0000E+00	0.0000E+00	269.6
			5	0.0000E+00	0.0000E+00	0.0000E+00	191.5
			6	0.0000E+00	0.0000E+00	0.0000E+00	292.4
			7	0.0000E+00	0.0000E+00	0.0000E+00	104.2
			8	0.0000E+00	0.0000E+00	0.0000E+00	210.4
			9	0.0000E+00	0.0000E+00	0.0000E+00	326.8
			10	0.0000E+00	0.0000E+00	0.0000E+00	12.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004CB90	7	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	197.2
			2	0.0000E+00	0.0000E+00	0.0000E+00	267.4
			3	0.0000E+00	0.0000E+00	0.0000E+00	57.2
			4	0.0000E+00	0.0000E+00	0.0000E+00	122.3
			5	0.0000E+00	0.0000E+00	0.0000E+00	82.9
			6	0.0000E+00	0.0000E+00	0.0000E+00	291.9
			7	0.0000E+00	0.0000E+00	0.0000E+00	107.1
			8	0.0000E+00	0.0000E+00	0.0000E+00	229.0
			9	0.0000E+00	0.0000E+00	0.0000E+00	334.3
			10	0.0000E+00	0.0000E+00	0.0000E+00	171.5

TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004PANG	2	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	48.8
			2	0.0000E+00	0.0000E+00	0.0000E+00	48.3
			3	0.0000E+00	0.0000E+00	0.0000E+00	127.1
			4	0.0000E+00	0.0000E+00	0.0000E+00	197.7
			5	0.0000E+00	0.0000E+00	0.0000E+00	97.8
			6	0.0000E+00	0.0000E+00	0.0000E+00	296.8
			7	0.0000E+00	0.0000E+00	0.0000E+00	129.0
			8	0.0000E+00	0.0000E+00	0.0000E+00	141.6
			9	0.0000E+00	0.0000E+00	0.0000E+00	202.7
			10	0.0000E+00	0.0000E+00	0.0000E+00	297.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004PANG	3	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	357.1
			2	0.0000E+00	0.0000E+00	0.0000E+00	130.5
			3	0.0000E+00	0.0000E+00	0.0000E+00	202.1
			4	0.0000E+00	0.0000E+00	0.0000E+00	251.0
			5	0.0000E+00	0.0000E+00	0.0000E+00	125.8
			6	0.0000E+00	0.0000E+00	0.0000E+00	76.7
			7	0.0000E+00	0.0000E+00	0.0000E+00	99.3
			8	0.0000E+00	0.0000E+00	0.0000E+00	40.2
			9	0.0000E+00	0.0000E+00	0.0000E+00	250.4
			10	0.0000E+00	0.0000E+00	0.0000E+00	325.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004PANG	4	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	310.3
			2	0.0000E+00	0.0000E+00	0.0000E+00	72.2
			3	0.0000E+00	0.0000E+00	0.0000E+00	261.1
			4	0.0000E+00	0.0000E+00	0.0000E+00	217.0
			5	0.0000E+00	0.0000E+00	0.0000E+00	288.0
			6	0.0000E+00	0.0000E+00	0.0000E+00	324.6
			7	0.0000E+00	0.0000E+00	0.0000E+00	242.7
			8	0.0000E+00	0.0000E+00	0.0000E+00	58.2
			9	0.0000E+00	0.0000E+00	0.0000E+00	60.3
			10	0.0000E+00	0.0000E+00	0.0000E+00	326.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004PANG	5	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	136.2
			2	0.0000E+00	0.0000E+00	0.0000E+00	162.9
			3	0.0000E+00	0.0000E+00	0.0000E+00	284.2
			4	0.0000E+00	0.0000E+00	0.0000E+00	133.2
			5	0.0000E+00	0.0000E+00	0.0000E+00	78.4
			6	0.0000E+00	0.0000E+00	0.0000E+00	303.9
			7	0.0000E+00	0.0000E+00	0.0000E+00	339.9
			8	0.0000E+00	0.0000E+00	0.0000E+00	355.1
			9	0.0000E+00	0.0000E+00	0.0000E+00	161.7
			10	0.0000E+00	0.0000E+00	0.0000E+00	82.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004PANG	6	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	103.1
			2	0.0000E+00	0.0000E+00	0.0000E+00	66.8
			3	0.0000E+00	0.0000E+00	0.0000E+00	171.2
			4	0.0000E+00	0.0000E+00	0.0000E+00	117.3
			5	0.0000E+00	0.0000E+00	0.0000E+00	202.7
			6	0.0000E+00	0.0000E+00	0.0000E+00	152.3
			7	0.0000E+00	0.0000E+00	0.0000E+00	313.9
			8	0.0000E+00	0.0000E+00	0.0000E+00	131.6
			9	0.0000E+00	0.0000E+00	0.0000E+00	161.5
			10	0.0000E+00	0.0000E+00	0.0000E+00	136.9

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TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 004PANG	7	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	319.4
			2	0.0000E+00	0.0000E+00	0.0000E+00	9.8
			3	0.0000E+00	0.0000E+00	0.0000E+00	253.2
			4	0.0000E+00	0.0000E+00	0.0000E+00	170.9
			5	0.0000E+00	0.0000E+00	0.0000E+00	204.1
			6	0.0000F+00	0.0000E+00	0.0000E+00	98.9
			7	0.0000E+00	0.0000F+00	0.0000E+00	272.0
			8	0.0000E+00	0.0000E+00	0.0000E+00	333.3
			9	0.0000E+00	0.0000E+00	0.0000E+00	32.1
			10	0.0000E+00	0.0000E+00	0.0000E+00	274.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 PTCHLINK	2	-4.823E+01	1	1.5638E+01	3.3064E-01	1.5641E+01	1.2
			2	-2.6053E+00	8.2615E+00	8.6626E+00	167.5
			3	-7.9180E-01	-2.0573E+00	2.2044E+00	248.9
			4	-6.9489E-01	3.4874E-01	6.9822E-01	150.0
			5	1.5169E-02	1.9095E+00	1.9096E+00	89.5
			6	2.9057E-01	1.6479E-01	3.3400E-01	29.5
			7	7.9413E-01	2.3864E-01	8.2921E-01	16.7
			8	3.1574E-01	-1.5254E-01	3.5066E-01	334.2
			9	-9.0805E-02	-4.5180E-01	4.6083E-01	258.6
			10	-2.8091E-01	-2.1285E-01	3.5244E-01	217.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 PTCHLINK	3	-5.518E+01	1	1.6311E+01	3.3883E+00	1.6659E+01	11.7
			2	-6.8163E+00	7.8225E+00	1.0376E+01	131.1
			3	2.0312E+00	-4.7955E+00	5.2088E+00	293.0
			4	-2.3534E+00	-1.0477E+00	2.5761E+00	264.9
			5	-8.4250E-01	2.1659E+00	2.3240E+00	111.3
			6	1.8721E+00	-1.0907E-01	1.8753E+00	356.7
			7	7.6024E-01	1.5451E+00	1.7220E+00	63.8
			8	3.6342E-01	-9.8399E-01	1.0490E+00	290.3
			9	2.0012E-01	-5.1055E-01	5.4837E-01	291.4
			10	5.7457E-01	-6.4271E-01	8.6218E-01	311.0
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 PTCHLINK	4	-5.518E+01	1	1.8902E+01	2.1526E+00	1.9025E+01	6.5
			2	-6.8318E+00	8.0514E+00	1.0559E+01	130.3
			3	-1.3953E+00	-8.5783E+00	8.6910E+00	260.8
			4	-3.2169E+00	-8.2710E-01	3.3215E+00	194.4
			5	1.6067E+00	8.3112E-01	1.8088E+00	152.6
			6	1.2104E+00	-2.0021E-01	1.2268E+00	350.6
			7	1.3946E+00	1.8818E+00	2.3422E+00	53.5
			8	5.3478E-01	-1.3893E+00	1.4886E+00	291.1
			9	1.5791E-01	-3.1251E-01	3.5014E+01	296.8
			10	6.1241E-01	-5.3388E-01	8.1245E-01	318.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 PTCHLINK	5	-6.171E+01	1	2.0448E+01	7.0748E+00	2.1637E+01	19.1
			2	-9.4580E+00	7.0790E+00	1.1814E+01	143.2
			3	1.3618E-01	-8.7106E+00	8.7116E+00	270.9
			4	-4.4113E+00	-2.5736E+00	5.1072E+00	210.3
			5	-2.8952E-01	8.6216E-01	9.0948E-01	108.6
			6	1.1764E+00	-2.7629E-01	1.2684E+00	346.8
			7	1.6632E+00	1.8039E+00	2.4536E+00	47.3
			8	3.8032E-02	-2.2444E+00	2.2447E+00	271.0
			9	2.5729E-01	-1.3457E-02	2.5764E-01	357.0
			10	1.3334E+00	-3.5743E-01	1.3884E+00	345.0

TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE	
37 PTCHLINK	6	-6.809E+01	1	2.1843E+01	5.0160E+00	2.2411E+01	12.9	
			2	-8.7404E+00	8.7917E+00	1.2397E+01	134.8	
			3	-8.0652E-01	-1.1693E+01	1.1721E+01	266.1	
			4	-5.4610E+00	-2.4851E+00	5.9998E+00	204.5	
			5	-1.3706E+00	1.0607E+00	1.7331E+00	142.3	
			6	6.2066E-01	1.0010E+00	1.1778E+00	58.2	
			7	4.2329E+00	7.6192E-01	4.3009E+00	10.2	
			8	-8.5873E-01	-2.3519E+00	2.5038E+00	249.9	
			9	3.9583E-01	-7.0773E-01	8.1091E-01	299.2	
			10	5.2015E-01	-1.3044E+00	1.4043E+00	291.7	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE	
37 PTCHLINK	7	-8.242E+01	1	2.7484E+01	1.1718E+01	2.9877E+01	23.1	
			2	-9.3895E+00	6.4026E+00	1.1365E+01	145.7	
			3	7.2648E-01	-1.5059E+01	1.5068E+01	272.8	
			4	-1.8116E+01	-5.0375E+00	1.1301E+01	206.5	
			5	-2.2398E+00	5.9221E+00	6.3315E+00	110.7	
			6	3.3500E+00	3.1548E+00	4.6117E+00	43.3	
			7	7.9464E+00	6.1106E+00	1.0024E+01	37.6	
			8	1.7482E+00	-6.4026E+00	6.6369E+00	285.3	
			9	-1.0928E+00	-1.4287E+00	1.7987E+00	232.6	
			10	9.5613E-01	-6.4340E-01	1.1525E+00	326.1	
RUN FIRST 1/R	CH	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 LEADLAG	35	4	0.0000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	154.0
			2	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	100.3
			3	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	45.5
			4	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	188.8
			5	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	331.9
			6	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	16.2
			7	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	346.0
			8	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	188.3
			9	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	232.8
			10	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	241.6
RUN FIRST 1/R	CH	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 LEADLAG	35	5	0.0000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	98.9
			2	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	15.3
			3	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	336.7
			4	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	243.3
			5	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	169.9
			6	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	26.0
			7	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	283.8
			8	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	14.0
			9	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	43.1
			10	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	29.5
RUN FIRST 1/R	CH	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 LEADLAG	35	6	0.0000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	22.3
			2	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	216.5
			3	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	4.4
			4	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	148.4
			5	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	293.3
			6	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	2.6
			7	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	13.2
			8	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	45.6
			9	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	14.3
			10	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	85.9

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TABLE 6.- CONTINUED

c) Continued

RUN	FIRST	I/R	CH	TP	STEADY	HN	COS	SIN	RESULTANT	SEPHASE
37	LEADLAG		35	7	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	234.1
						2	0.0000E+00	0.0000E+00	0.0000E+00	340.6
						3	0.0000E+00	0.0000E+00	0.0000E+00	71.9
						4	0.0760E+00	0.0000E+00	0.0000E+00	196.7
						5	0.0000E+00	0.0000E+00	0.0000E+00	264.3
						6	0.0000E+00	0.0000E+00	0.0000E+00	354.4
						7	0.0000E+00	0.0000E+00	0.0000E+00	311.5
						8	0.0000E+00	0.0000E+00	0.0000E+00	119.0
						9	0.0000F+00	0.0000E+00	0.0000E+00	310.6
						10	0.0000E+00	0.0000E+00	0.0000E+00	30.8
<hr/>										
RUN FIRST 1/R CH TP STEADY HN COS SIN RESULTANT SCPHASE										
37	FLAPANG		36	2	-1.523E+00	1	-2.9465E-01	9.7056E-02	3.0642E-01	161.5
						2	-7.2466E-02	-1.0246E-01	-1.2517E-01	234.6
						3	-1.1221E-02	6.3580E-02	6.4563E-02	100.0
						4	-1.6326E-02	2.0895E-02	2.6516E-02	128.4
						5	-5.9990E-03	7.2997E-03	9.4484E-03	129.4
						6	-6.1265E-03	-5.7249E-03	8.3854E-03	223.1
						7	1.5557E-03	-9.0062E-03	9.1396E-03	279.8
						8	2.2305E-03	-7.2123E-03	7.5493E-03	247.2
						9	4.7966E-03	-4.5312E-04	4.8189E-03	354.6
						10	1.3089E-03	-4.6995E-03	4.8784E-03	285.6
<hr/>										
RUN FIRST 1/R CH TP STEADY HN COS SIN RESULTANT SCPHASE										
37	FLAPANG		36	3	2.097E+00	1	-2.8242E-01	4.9106E-01	5.6648E-01	119.9
						2	-1.1051E-02	-1.1244E-01	1.1298E-01	264.4
						3	-5.3434E-02	1.6528E-01	1.7374E-01	147.9
						4	-6.0661E-03	3.5158E-02	3.5677E-02	99.8
						5	6.1951E-03	2.1024E-02	2.1918E-02	73.6
						6	-1.5289E-02	-1.0812E-02	1.8725E-02	215.3
						7	3.6281E-03	-6.6394E-03	7.5666E-03	298.7
						8	1.2115E-02	-3.4988E-03	1.2619E-02	343.9
						9	5.5702E-03	8.1226E-03	9.8491E-03	55.6
						10	6.5575E-03	8.5125E-04	6.6126E-03	7.4
<hr/>										
RUN FIRST 1/R CH TP STEADY HN COS SIN RESULTANT SCPHASE										
37	FLAPANG		36	4	2.248E+00	1	-4.9170E-01	-2.9816E-01	5.7504E-01	211.2
						2	-1.5130E-03	-1.2275E-01	1.2276E-01	269.3
						3	2.1519E-02	2.4492E-01	2.4587E-01	85.9
						4	-1.5442E-02	4.5574E-02	4.8119E-02	148.7
						5	8.3329E-03	2.8173E-02	2.9384E-02	73.5
						6	-2.6879E-02	5.3722E-03	2.7411E-02	168.7
						7	-1.8767E-03	-8.6842E-03	8.8847E-03	257.8
						8	1.5758E-02	-8.9385E-03	1.8116E-02	330.4
						9	4.8160E-03	1.1686E-02	1.2639E-02	67.6
						10	3.0724E-03	-1.6206E-03	3.4736E-03	332.2
<hr/>										
RUN FIRST 1/R CH TP STEADY HN COS SIN RESULTANT SCPHASE										
37	FLAPANG		36	5	2.566E+00	1	2.8627E-01	1.0948E-01	3.0650E-01	28.9
						2	1.5046E-02	-1.2266E-01	1.2358E-01	277.6
						3	-1.4789E-02	2.2921E-01	2.2969E-01	93.7
						4	-1.1482E-02	6.8403E-02	6.9360E-02	99.5
						5	1.1705E-03	3.6695E-02	3.6714E-02	88.2
						6	-3.5527E-02	-7.4340E-03	3.6296E-02	191.8
						7	-2.2813E-03	-8.6955E-03	8.9898E-03	255.3
						8	2.0431E-02	-5.4482E-03	2.1145E-02	345.1
						9	-6.0235E-04	1.9874E-02	1.9883E-02	91.7
						10	8.1368E-03	8.3210E-04	8.1792E-03	5.8

TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	CH	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 FLAPANG	36	6	2.839E+00	1	-4.4599E-01	1.9442E-01	4.8653E-01	156.4
				2	-9.5896E-03	-1.2021E-01	1.2059E-01	265.4
				3	7.3844E-03	2.6706E-01	2.6716E-01	88.4
				4	-1.2101E-02	8.3738E-02	8.4608E-02	98.2
				5	4.2169E-03	5.0262E-02	5.0439E-02	85.2
				6	-3.4998E-02	2.1234E-02	4.0162E-02	148.1
				7	-5.0766E-03	-8.8219E-03	1.0178E-02	240.1
				8	5.4932E-03	-2.1459E-02	2.2142E-02	284.4
				9	8.2812E-03	2.3344E-02	2.4769E-02	74.5
				10	-1.0909E-03	4.2937E-03	4.4302E-03	104.3
RUN FIRST 1/R	CH	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 FLAPANG	36	7	3.236E+00	1	-8.6284E-01	-2.9728E-01	9.1262E-01	199.4
				2	1.9759E-02	-1.0877E-01	1.1055E-01	280.3
				3	-6.9486E-02	2.6825E-01	2.7710E-01	104.5
				4	-3.2560E-02	1.1833E-01	1.2272E-01	105.4
				5	9.4646E-04	4.2931E-02	4.2942E-02	88.7
				6	-5.2475E-02	2.8316E-02	5.9627E-02	151.6
				7	-9.8704E-03	-1.0277E-02	1.4250E-02	226.2
				8	2.3144E-02	-1.8677E-02	2.9740E-02	321.1
				9	-9.0594E-03	3.7428E-02	3.8519E-02	103.6
				10	8.5145E-03	7.0279E-03	1.1043E-02	39.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE	
37 TORQUE	2	7.134E+02	1	4.4666E+00	-2.1783E+00	4.9695E+00	334.9	
			2	-2.6221E-01	-6.5114E-01	7.2195E-01	248.1	
			3	1.0565E+00	-7.0466E-01	1.2690E+00	326.3	
			4	1.6926E+00	-2.9586E+01	2.9629E+01	273.1	
			5	1.2728E+00	1.3920E+00	1.8868E+00	47.6	
			6	-3.6431E-01	9.6549E-01	1.0319E+00	110.7	
			7	1.1566E+00	6.0318E-01	1.3044E+00	27.5	
			8	3.6794E+00	2.1187E+00	4.2458E+00	29.9	
			9	4.4121E-01	-1.7943E-01	4.7634E-01	337.9	
			10	-8.2748E-11	7.9103E-01	1.1447E+00	136.3	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE	
37 TORQUE	3	7.251E+02	1	2.1745E+00	-2.0208E+00	2.9685E+00	317.1	
			2	5.2192E-01	9.8526E-03	5.2291E-01	1.1	
			3	1.3178E+00	2.5639E+00	2.8427E+00	62.8	
			4	-1.7090E+01	-3.5278E+01	3.9190E+01	244.2	
			5	-6.6651E-01	-1.0259E+00	1.2234E+00	237.4	
			6	-8.7393E-01	-1.3213E+00	1.5842E+00	236.5	
			7	-3.8379E-02	4.0363E-01	4.9545E-01	95.4	
			8	1.0344E+01	4.5361E+00	1.1295E+01	23.7	
			9	4.2248E-01	-3.0505E-01	5.0592E-01	322.8	
			10	1.8069E-01	-2.4066E-01	3.0894E-01	306.9	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE	
37 TORQUE	4	6.478E+02	1	2.7765E+00	-3.7607E+00	4.6746E+00	306.4	
			2	1.1878E+00	-2.2921E-01	1.2397E+00	349.1	
			3	1.1245E+00	2.5316E+00	2.7702E+00	66.4	
			4	-3.1824E+01	-9.7470E+00	3.3283E+01	197.9	
			5	-1.9066E-01	8.7517E-02	2.4978E-01	155.3	
			6	-3.2310E-01	-5.9955E-01	6.8107E-01	241.7	
			7	1.5169E-01	-1.1040E-01	1.8761E-01	324.4	
			8	1.4891E+01	2.5608E+00	1.5112E+01	9.8	
			9	4.4660E-01	-3.7262E-01	5.8162E-01	324.2	
			10	-2.0605E-02	-1.5136E-01	1.5276E-01	262.2	

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TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 TORQUE	5	6.948E+02	1	1.5713E+00	-4.8712E+00	5.1184E+00	287.9
			2	1.4702E+00	6.5087E-01	1.6078E+00	23.9
			3	2.6624E+00	2.5155E+00	3.6628E+00	43.4
			4	-4.2518E+01	-3.1068E+01	5.2659E+01	216.2
			5	-1.9407E+00	-1.3313E+00	2.3534E+00	214.5
			6	-1.8018E+00	-1.4962E+00	2.3421E+00	219.7
			7	-1.1388E+00	-1.3690E+00	1.7807E+00	230.2
			8	1.4314E+01	-3.3643E+00	1.4794E+01	13.2
			9	3.5182E-01	4.3554E-01	5.5985E-01	51.1
			10	2.8645E-01	-4.6011E-01	5.4199E-01	301.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 TORQUE	6	7.446E+02	1	-1.6607E+00	-4.0763E+00	4.4216E+00	247.8
			2	-1.5036E+00	-2.0040E-01	1.5169E+00	187.6
			3	-4.3768E-01	7.3192E-01	8.5281E-01	120.9
			4	-5.7422E+01	-2.2037E+01	5.5032E+01	203.6
			5	4.2542E+00	9.2747E-01	4.3541E+00	12.3
			6	1.7490E+00	7.3759E-02	1.7505E+00	2.4
			7	3.7243E+00	-2.3988E-02	3.7244E+00	359.6
			8	1.6910E+01	2.8600E+00	1.7151E+01	9.6
			9	-3.5878E-01	-5.0155E-01	6.1666E-01	234.4
			10	-7.6432E-01	4.9766E-01	0.1206E-01	146.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 TORQUE	7	8.739E+02	1	-3.8443E+00	-5.8985E+00	7.0406E+00	236.9
			2	1.9825E-01	-6.6132E-01	6.9040E-01	286.7
			3	-2.5607E+00	8.3308E-01	2.6928E+00	162.9
			4	-2.8317E+01	-4.9270E+01	5.6827E+01	240.1
			5	-1.1788E+00	-1.5448E+00	1.9432E+00	232.7
			6	1.3666E+00	-7.1362E-01	1.5417E+00	332.4
			7	7.2801E-01	3.2665E-02	7.2875E-01	2.6
			8	9.6667E+00	1.1240E+01	1.4825E+01	49.3
			9	3.7483E-01	1.4673E+00	1.5144E+00	75.7
			10	3.6635E-01	-3.6805E-01	5.1931E-01	314.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003FB13	2	3.913E+02	1	-2.9653E+01	8.6231E+00	3.0081E+01	163.8
			2	1.7526E+01	2.6435E+01	3.1717E+01	56.5
			3	1.0946E+01	7.7903E+00	1.3435E+01	35.4
			4	3.1690E+00	5.7877E+00	6.5985E+00	61.3
			5	1.0403E+01	-1.0012E+01	1.4438E+01	316.1
			6	2.5740E-01	1.5500E+01	1.5502E+01	89.9
			7	-4.9172E+00	7.9952E+00	9.3865E+00	121.6
			8	-1.7684E+01	9.8408E+00	2.0238E+01	154.9
			9	-1.7862E+00	-2.3908E+00	2.9844E+01	233.2
			10	-2.3216E+00	-1.3879E-01	2.3258E+00	183.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003FB13	3	3.811E+02	1	-3.0660E+01	1.9380E+01	3.6272E+01	147.7
			2	7.3568E+00	3.3369E+01	3.4170E+01	77.6
			3	1.9887E+01	-4.6271E+00	2.0418E+01	346.9
			4	1.0460E+01	1.1667E+00	1.0525E+01	6.4
			5	6.1722E+01	-1.5744E+01	1.5756E+01	272.2
			6	1.4965E+01	2.1929E+01	2.6548E+01	55.7
			7	-1.7668E+00	1.2749E+01	1.2871E+01	97.9
			8	-3.8000E+01	1.2895E+01	4.0128E+01	161.3
			9	-1.3201E+01	-9.0067E+00	1.5981E+01	214.3
			10	-1.0930E+01	-1.7635E+00	1.1072E+01	189.2

TABLE 6.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003FB13	4	3.719E+02	1	-4.8919E+01	6.8336E+00	4.9394E+01	172.0
			2	6.3439E+00	3.4750E+01	3.5324E+01	79.7
			3	6.7863E+00	-3.6175E+01	3.6806E+01	280.6
			4	1.7005E+01	-1.8627E+01	2.5222E+01	312.4
			5	-1.3590E+01	-4.0598E+01	4.2815E+01	251.5
			6	3.5075E+01	2.3412E+01	4.2923E+01	33.1
			7	4.3688E-02	1.7019E+01	1.7019E+01	89.9
			8	-5.1715E+01	2.4736E+01	5.7327E+01	154.4
			9	-9.0756E+00	-1.7053E+01	1.9317E+01	242.9
			10	-6.7440E+00	-1.3976E+00	6.8882E+00	191.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003FB13	5	3.902E+02	1	-3.1741E+01	1.2273E+01	3.4431E+01	158.9
			2	-1.6182E+00	3.5788E+01	3.5824E+01	92.6
			3	1.8742E+01	-3.2473E+01	3.7493E+01	300.9
			4	3.2648E+01	-1.8679E+01	3.7614E+01	338.2
			5	-7.7558E+00	-5.9458E+01	5.9062E+01	262.6
			6	4.3203E+01	2.8520E+01	5.1767E+01	33.4
			7	1.4011E+00	1.5821E+01	1.5883E+01	84.9
			8	-5.1666E+01	1.9670E+01	5.5283E+01	159.2
			9	-6.0547E+00	-1.7801E+01	1.8802E+01	251.2
			10	-9.2052E+00	-4.8332E+00	1.4397E+01	207.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003FB13	6	4.027E+02	1	-4.4863E+01	4.4250E+01	6.3414E+01	135.4
			2	1.6570E+01	3.1561E+01	3.5647E+01	62.3
			3	2.2772E+01	-5.0525E+01	5.6419E+01	294.3
			4	2.8684E+01	-3.8198E+01	4.7769E+01	346.9
			5	-2.9916E+01	-5.1639E+01	5.9678E+01	239.9
			6	6.1327E+01	9.2059E+00	6.2014E+01	8.5
			7	-1.1007E+01	2.1801E+01	2.4422E+01	116.8
			8	-4.5175E+01	2.7156E+01	5.2709E+01	149.0
			9	-1.1273E+01	-2.3271E+01	2.5858E+01	244.2
			10	-5.9602E+00	-4.1199E+00	7.2455E+00	214.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003FB13	7	4.099E+02	1	-4.5499E+01	6.3201E+01	7.7875E+01	125.8
			2	6.1851E+00	4.0148E+01	4.2622E+01	81.2
			3	5.7991E+01	-3.8335E+01	6.9516E+01	326.5
			4	2.6587E+01	-3.0298E+01	4.3099E+01	311.3
			5	-2.2063E+01	-3.8940E+01	4.3984E+01	239.9
			6	7.9395E+01	-4.2265E+01	8.9944E+01	332.4
			7	3.2421E+00	1.3572E+01	1.3954E+01	76.6
			8	-5.4900E+01	1.9123E+01	5.7379E+01	161.5
			9	8.8473E+00	-6.2277E+01	6.2903E+01	278.1
			10	-9.2986E+00	-1.7644E+01	1.3941E+01	242.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
37 003FB46	2	-7.424E+01	1	4.6122E+01	-1.3410E+02	1.4181E+02	289.0
			2	1.3412E+01	4.1767E+01	4.3868E+01	72.2
			3	2.5277E+01	8.5064E+00	2.6679E+01	18.6
			4	2.3176E+00	-1.8948E+00	2.0936E+00	321.7
			5	-1.5199E+01	2.7490E+00	3.1420E+00	118.9
			6	5.9817E+01	-8.9423E+01	1.4759E+01	303.8
			7	-1.3291E+00	-1.3597E+00	1.9414E+00	225.7
			8	5.9250E+00	-4.9591E+00	7.7265E+00	320.1
			9	-2.6797E+00	2.1440E+00	3.4319E+00	141.3
			10	5.8412E-01	-1.4239E+00	1.5391E+00	292.3

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TABLE 6.- CONCLUDED

c) Concluded

RUN FIRST 1/R	TP	STEADY	H	COS	SIN	RESULTANT	SCPHASE
37 003F846	3	-1.061E+02	1	6.1317E+01	-1.5642E+02	1.6763E+02	291.5
			2	-1.3492E+01	4.0222E+01	4.2425E+01	188.5
			3	3.1216E+01	2.9517E+00	3.1355E+01	5.4
			4	2.6940E+02	-4.4133E+00	5.1746E+00	341.4
			5	-1.2899E+04	-5.3181E+02	1.2910E+04	182.4
			6	-3.1617E+00	-3.7003E+00	4.8671E+00	229.5
			7	1.0093E+01	-4.3588E+00	4.3590E+00	271.3
			8	1.2896E+01	-7.0348E+00	1.4690E+01	331.4
			9	4.0205E+00	2.7676E+00	4.8645E+00	34.7
			10	3.3185E+00	-7.9868E+01	3.4132E+00	346.5

TABLE 7.- FIXED-TIP DATA FROM LIFT-COEFFICIENT SWEEP - RUN 61 DATA

a) Block A data

SUMMARY LISTING  
RUN 61 W02 61 WT 5B

## LOW SPEED CALCULATED DATA

RUN	TP	MU'	ALPHAS	RPM1	VTIP	M1(90)	M1(270)
61	2	3.2951E-01	-5.9705E+00	7.3400E+02	6.4696E+02	7.8180E-01	3.9427E-01
	4	3.0651E-01	-6.3413E+00	7.9400E+02	6.9985E+02	8.3216E-01	4.4171E-01
	5	3.0505E-01	-5.4689E+00	7.9800E+02	7.0337E+02	8.3485E-01	4.4456E-01
	6	3.0550E-01	-4.0949E+00	7.9600E+02	7.0161E+02	8.3278E-01	4.4302E-01
	7	3.0632E-01	-2.8300E+00	7.9400E+02	6.9985E+02	8.3096E-01	4.4126E-01
	8	3.0566E-01	-1.5869E+00	7.9400E+02	6.9985E+02	8.3034E-01	4.4157E-01
	9	3.0505E-01	-4.9641E-01	7.9600E+02	7.0161E+02	8.3189E-01	4.4299E-01
	10	0.0000E+00	-8.2036E-02	0.0000E+00	0.0000E+00	4.8436E-03	-4.8436E-03
RUN	TP	VTUN	QTUN	RHOTUN	CTB	CTR	CHB
61	2	2.0945E+02	5.1849E+01	2.3637E-03	-7.0123E+02	-7.0123E+02	-3.2859E+02
	4	2.1076E+02	5.2665E+01	2.3712E-03	3.2605E-03	3.2279E-03	1.3190E-04
	5	2.1181E+02	5.2615E+01	2.3678E-03	4.0832E-03	4.0519E-03	1.6205E-04
	6	2.1064E+02	5.2482E+01	2.3666E-03	4.7999E-03	4.7691E-03	1.1131E-04
	7	2.1063E+02	5.2465E+01	2.3651E-03	5.5302E-03	5.5166E-03	3.9208E-05
	8	2.1018E+02	5.2232E+01	2.3648E-03	6.5144E-03	6.4874E-03	-5.0765E-05
	9	2.1029E+02	5.2265E+01	2.3638E-03	6.8355E-03	6.8099E-03	-1.6988E-04
	10	5.2443E+00	3.3300E+02	2.4216E-03	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CHR	CYB	CYR	CPB	CPR	CT'B
61	2	-3.2859E+02	-6.9512E+02	-6.9512E+02	-5.3969E+03	-5.3960E+03	-7.3161E+02
	4	2.4569E-04	1.3428E-05	1.9975E-05	2.9915E-04	3.0357E-04	3.2551E-03
	5	2.7297E-04	-4.0618E-06	2.4118E-06	3.0414E-04	3.0852E-04	4.0801E-03
	6	2.1941E-04	-8.8119E-05	-8.1660E-05	3.2173E-04	3.2612E-04	4.7947E-03
	7	1.4462E-04	-1.0111E-04	-9.4648E-05	3.4501E-04	3.4943E-04	5.5254E-03
	8	5.0672E-05	-1.3312E-04	-1.2676E-04	4.1245E-04	4.1686E-04	6.5105E-03
	9	-7.2192E-05	-2.2089E-04	-2.1462E-04	4.5427E-04	4.5865E-04	6.8338E-03
	10	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CT'R	CXB	CXR	CDER	CDER	L/QD2B
61	2	-7.3161E+02	2.5387E+02	2.5387E+02	-1.6630E+04	-1.6630E+04	-1.9584E+04
	4	3.2353E-03	2.2903E-04	1.1234E-04	7.4697E-04	8.7806E-04	5.4424E-02
	5	4.0595E-03	2.2784E-04	1.0445E-04	7.6918E-04	8.9693E-04	6.8867E-02
	6	4.7726E-03	2.3167E-04	1.2171E-04	8.2144E-04	9.4579E-04	8.0689E-02
	7	5.5020E-03	2.3388E-04	1.2718E-04	8.9242E-04	1.0136E-03	9.2491E-02
	8	6.4863E-03	2.3115E-04	1.2900E-04	1.1182E-03	1.2348E-03	1.0945E-01
	9	6.8090E-03	2.2914E-04	1.3119E-04	1.2601E-03	1.3723E-03	1.1535E-01
	10	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	-1.7121E+00
RUN	TP	L/QD2R	X/QD2B	X/QD2R	P/QVD2B	P/QVD2R	DE/QD2B
61	2	-1.0584E+04	3.6724E+03	3.6724E+03	-2.3689E+05	-2.3689E+05	-2.4057E+05
	4	5.4089E-02	3.8291E-03	1.8782E-03	1.6317E-02	1.6558E-02	1.2488E-02
	5	6.8520E-02	3.8457E-03	1.9317E-03	1.6829E-02	1.7071E-02	1.2983E-02
	6	8.0317E-02	3.8987E-03	2.0482E-03	1.7722E-02	1.7965E-02	1.3824E-02
	7	9.2100E-02	3.9150E-03	2.1294E-03	1.8853E-02	1.9095E-02	1.4938E-02
	8	1.0904E-01	3.8859E-03	2.1587E-03	2.2685E-02	2.2928E-02	1.8799E-02
	9	1.1493E-01	3.8669E-03	2.2143E-03	2.5135E-02	2.5378E-02	2.1268E-02
	10	-1.7126E+00	-3.1442E-02	-3.3069E-02	0.0000E+00	0.0000E+00	3.1442E-02
RUN	TP	DE/QD2R	Y/QD2B	Y/QD2R	CPMB	CPMR	CRMB
61	2	-2.4057E+05	-1.0056E+04	-1.0056E+04	-5.3365E+03	-5.3365E+03	1.5834E+02
	4	1.4680E-02	2.2450E-04	3.3395E-04	-6.8797E-05	-6.9117E-05	2.5898E-05
	5	1.5139E-02	-6.8559E-05	4.0692E-05	-4.3888E-05	-4.4093E-05	1.9862E-05
	6	1.5917E-02	-1.4829E-03	-1.3742E-03	-6.1747E-05	-6.1800E-05	-1.7296E-05
	7	1.6966E-02	-1.6923E-03	-1.5843E-03	-7.9911E-05	-7.9834E-05	-1.1548E-05
	8	2.0759E-02	-2.2384E-03	-2.1311E-03	-8.3631E-05	-8.3437E-05	-1.1791E-05
	9	2.3163E-02	-3.7284E-03	-3.6226E-03	-1.0975E-04	-1.0947E-04	-3.8141E-05
	10	3.3069E-02	-1.0197E-01	-1.0186E-01	0.0000E+00	0.0000E+00	0.0000E+00

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TABLE 7.- CONTINUED

a) Continued

RUN	TP	CRMR	ROTORHPB	ROTORHPR	TB	PMB	H8
61	2	1.5834E+02	-1.3975E+09	-1.3975E+09	-1.5449E+08	-9.8898E+09	-7.2347E+07
	4	2.5046E-05	9.8386E+01	9.9838E+01	8.4272E+02	-1.4967E+02	3.4091E+01
	5	1.9000E-05	1.0140E+02	1.0286E+02	1.0645E+03	-9.6304E+01	4.2246E+01
	6	-1.8183E-05	1.0640E+02	1.0786E+02	1.2442E+03	-1.3475E+02	2.8858E+01
	7	-1.2454E-05	1.1318E+02	1.1463E+02	1.4257E+03	-1.7340E+02	1.0108E+01
	8	-1.2703E-05	1.3528E+02	1.3673E+02	1.6792E+03	-1.8145E+02	1.3085E+01
	9	-3.9054E-05	1.5007E+02	1.5151E+02	1.7701E+03	-2.3923E+02	-4.3993E+01
	10	0.0000E+00	0.0000E+00	0.0000E+00	-1.6737E+01	1.3761E+00	2.8339E-01
RUN	TP	SFB	RMB	QR	V8OUND	PTOTAL	PSTATIC
61	2	-1.5305E+08	2.9344E+08	-1.0002E+18	1.1002E+03	2.0960E+03	2.0437E+03
	4	3.4704E+00	5.6341E+01	6.5080E+02	1.0988E+03	2.0980E+03	2.0448E+03
	5	-1.0589E+00	4.3582E+01	6.6737E+02	1.0995E+03	2.0978E+03	2.0447E+03
	6	-2.2846E+01	-3.7745E+01	7.0208E+02	1.0999E+03	2.0979E+03	2.0450E+03
	7	-2.6063E+01	-2.5057E+01	7.4864E+02	1.1002E+03	2.0979E+03	2.0449E+03
	8	-3.4314E+01	-2.5582E+01	8.9487E+02	1.1005E+03	2.0983E+03	2.0456E+03
	9	-5.7203E+01	-8.3135E+01	9.9161E+02	1.1007E+03	2.0983E+03	2.0456E+03
	10	-9.9675E-01	-2.4223E+00	7.6759E-01	1.1020E+03	2.1006E+03	2.1005E+03
RUN	TP	TSTATIC	PRESSALT	DENSALT	RN.75	CT/SB	CT/SR
61	2	4.4167E+01	9.6216E+02	2.0972E+02	1.7676E+06	-8.6894E+03	-8.6894E+03
	4	4.2861E+01	9.4630E+02	1.0147E+02	1.9221E+06	4.0403E-02	3.9999E-02
	5	4.3546E+01	9.4838E+02	1.5059E+02	1.9269E+06	5.0597E-02	5.0269E-02
	6	4.3860E+01	9.4488E+02	1.6747E+02	1.9202E+06	5.9467E-02	5.9097E-02
	7	4.4164E+01	9.4539E+02	1.8873E+02	1.9133E+06	6.8528E-02	6.8174E-02
	8	4.4409E+01	9.3580E+02	1.9342E+02	1.9123E+06	8.0724E-02	8.0389E-02
	9	4.4596E+01	9.3681E+02	2.0733E+02	1.9157E+06	8.4703E-02	8.4385E-02
	10	4.5792E+01	2.0567E+02	-6.1861E+02	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CH/38	CH/SR	CY/38	CY/SR	CP/38	CP/SR
61	2	-4.9717E+03	-4.9717E+03	-8.6136E+03	-8.6136E+03	-6.6865E+04	-6.6865E+04
	4	1.6344E-03	3.0444E-03	1.6640E-04	2.4752E-04	3.7070E-03	3.7617E-03
	5	2.0089E-03	3.3825E-03	-5.0332E-05	2.9874E-05	3.7687E-03	3.8230E-03
	6	1.3793E-03	2.7188E-03	-1.0919E-03	-1.0119E-03	3.9867E-03	4.0412E-03
	7	4.8585E-04	1.7921E-03	-1.2527E-03	-1.1728E-03	4.2752E-03	4.3300E-03
	8	-6.2905E-04	6.2790E-04	-1.6496E-03	-1.5708E-03	5.1109E-03	5.1655E-03
	9	-2.1051E-03	-8.9457E-04	-2.7372E-03	-2.6595E-03	5.6291E-03	5.6834E-03
	10	0.0000E+00	0.0000E+00	0.0400E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CPP/SB	CT'/SB	CT'/SR	CX/SB	CX/SR	CDE/SR
61	2	-1.0132E+07	-9.0658E+03	-9.0658E+03	3.1458E+03	3.1458E+03	-2.0607E+05
	4	2.6230E-03	4.0336E-02	4.0391E-02	2.8381E-03	1.3922E-03	9.2561E-03
	5	2.5695E-03	5.2558E-02	5.0303E-02	2.8233E-03	1.4182E-03	9.5313E-03
	6	2.6435E-03	5.9414E-02	5.9149E-02	2.8707E-03	1.5082E-03	1.0179E-02
	7	2.7700E-03	6.8468E-02	6.8179E-02	2.8981E-03	1.5760E-03	1.1458E-02
	8	3.3763E-03	8.0675E-02	8.0375E-02	2.8643E-03	1.5985E-03	1.3857E-02
	9	3.8146E-03	8.4681E-02	8.4374E-02	2.8389E-03	1.6256E-03	1.5614E-02
	10	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CUE/SR	L/QD2SB	L/QD2SR	X/QD2SB	X/QD2SR	P/QVD2SB
61	2	-2.0607E+05	-1.3115E+05	-1.3115E+05	4.5507E+04	4.5507E+04	-2.9355E+06
	4	1.6881E+02	6.7435E-01	6.7025E-01	4.7448E-02	2.3274E-02	2.0220E-01
	5	1.1114E-02	8.5338E-01	8.4907E-01	4.7655E-02	2.3937E-02	2.0853E-01
	6	1.1724E-02	9.9986E-01	9.9525E-01	4.8311E-02	2.5381E-02	2.1961E-01
	7	1.2560E-02	1.1461E+00	1.1413E+00	4.8513E-02	2.6381E-02	2.3362E-01
	8	1.5301E-02	1.3563E+00	1.3512E+00	4.8153E-02	2.6873E-02	2.8111E-01
	9	1.7705E-02	1.4293E+00	1.4241E+00	4.7916E-02	2.7439E-02	3.1146E-01
	10	0.0000E+00	-2.1216E+01	-2.1221E+01	-3.8961E-01	-4.0977E-01	0.0000E+00
RUN	TP	P/QVD2SR	DE/QD2SR	DE/QD2SR	Y/QD2SR	Y/QD2SR	LB
61	2	-2.9355E+06	-2.9810E+06	-2.9810E+06	-1.2461E+05	-1.2461E+05	-1.6108E+08
	4	2.0518E+01	1.5475E-01	1.8191E-01	2.7819E-03	4.1381E-03	8.4133E+02
	5	2.1154E+01	1.6088E-01	1.8766E-01	-8.4956E-04	5.0424E-04	1.0637E+03
	6	2.2261E+01	1.7130E-01	1.9723E-01	-1.8376E-02	-1.7029E-02	1.2431E+03
	7	2.3662E+01	1.8511E-01	2.1024E-01	-2.0970E-02	-1.9632E-02	1.4245E+03
	8	2.8411E+01	2.3295E-01	2.5724E-01	-2.7732E-02	-2.6447E-02	1.6782E+03
	9	3.1447E+01	2.6354E-01	2.8703E-01	-4.6201E-02	-4.4889E-02	1.7697E+03
	10	0.0000E+00	3.8961E-01	4.0977E-01	1.2635E+00	-1.2622E+00	-1.6737E+01

TABLE 7.- CONTINUED

a) Concluded

RUN	TP	LR	XR	XR	DER	DER	TR
61	2	-1.6138E+08	5.5895E+07	5.5895E+07	-3.6615E+09	-3.6615E+09	-1.5440E+08
	4	8.3621E+02	5.9196E+01	2.0436E+01	1.9366E+02	2.2695E+02	8.3432E+02
	5	1.4583E+03	5.9398E+01	2.9836E+01	2.8952E+02	2.3383E+02	1.4563E+03
	6	1.2374E+03	6.0063E+01	3.1555E+01	2.1297E+02	2.4521E+02	1.2365E+03
	7	1.4184E+03	6.0295E+01	3.2789E+01	2.3447E+02	2.6134E+02	1.4183E+03
	8	1.6724E+03	5.9582E+01	3.3252E+01	2.8825E+02	3.1829E+02	1.6722E+03
	9	1.7633E+03	5.9327E+01	3.3973E+01	3.2631E+02	3.5538E+02	1.7635E+03
	10	-1.6741E+01	-3.0735E+01	-3.2326E+01	3.0735E+01	3.2326E+01	-1.6741E+01
RUN	TP	PMR	HR	SFR	RMR	QR	A1-CORR
61	2	-9.8898E+09	-7.2347E+07	-1.5325E+08	2.9344E+08	-1.0000E+10	-1.2981E+08
	4	-1.5034E+02	6.3501E+01	5.1627E+01	5.4498E+01	6.6041E+02	-1.4321E+00
	5	-9.6754E+01	7.1161E+01	6.2849E+01	4.1692E+01	6.7698E+02	-1.4799E+00
	6	-1.3486E+02	5.6885E+01	-2.1172E+01	-3.9679E+01	7.1168E+02	-2.7249E+00
	7	-1.7323E+02	3.7283E+01	-2.4400E+01	-2.7025E+01	7.5824E+02	-3.2307E+00
	8	-1.8103E+02	1.3062E+01	-3.2675E+01	-2.7561E+01	9.0443E+02	-4.1194E+00
	9	-2.3860E+02	-1.8695E+01	-5.5579E+01	-8.5124E+01	9.9971E+02	-5.2983E+00
	10	1.3766E+01	2.9929E+01	-9.0572E+01	-2.4236E+00	7.7367E+01	-1.6242E+01
RUN	TP	R1-CORR	THETA,.75	A <sub>IC</sub>	B <sub>IS</sub>	TORQUE	X/LB
61	2	3.6987E+00	1.9433E+01	-2.9658E+01	3.9487E+00	-1.0000E+10	-3.4744E+01
	4	4.4406E+00	7.2840E+00	-2.3402E+01	4.6599E+00	6.5528E+02	7.0361E+02
	5	4.0639E+00	7.8169E+00	-3.7767E+01	4.3484E+00	6.7142E+02	5.5843E+02
	6	4.2604E+00	8.6427E+00	-1.5294E+00	4.8245E+00	7.4567E+02	4.8317E+02
	7	5.8912E+00	9.4313E+00	-1.8429E+00	5.7539E+00	7.5156E+02	4.2328E+02
	8	5.9534E+00	1.0928E+01	-2.4382E+00	6.8167E+00	8.9679E+02	3.5504E+02
	9	6.5253E+00	1.1583E+01	-3.4289E+00	7.6743E+00	9.9125E+02	3.3524E+02
	10	5.1125E+02	6.5818E+00	-1.4365E+01	9.1421E+02	3.8328E+01	1.8364E+02
RUN	TP	X/LR	L/DER	L/DER	ALPHAS	ALPHASC	
61	2	-3.4740E-01	4.3994E+02	4.3994E+02	-5.9715E+00	-5.9715E+00	
	4	3.4724E+02	4.3578E+00	3.6846E+00	-6.3413E+00	-6.3413E+00	
	5	2.8192E+02	5.3045E+00	4.5269E+00	-5.4689E+00	-5.4689E+00	
	6	2.5502E+02	5.8371E+00	5.0461E+00	-4.0949E+00	-4.0949E+00	
	7	2.3116E+02	6.1915E+00	5.4284E+00	-2.8384E+00	-2.8384E+00	
	8	1.9888E+02	5.8221E+00	5.2529E+00	-1.5869E+00	-1.5869E+00	
	9	1.9267E+02	5.4234E+00	4.9615E+00	-4.9641E+01	-4.9641E+01	
	10	1.9310E+02	-5.4454E+01	-5.1788E+01	-8.2036E+02	-8.2036E+02	

TABLE 7.- CONTINUED

b) Block B data

RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 002CB18	2	8.8361E+02	2.3811E+03	320.7	-1.0501E+03	1.7156E+03
	4	1.1399E+03	1.4941E+03	183.8	8.0352E+02	3.4530E+02
	5	1.0759E+03	1.5042E+03	184.5	6.6380E+02	4.2019E+02
	6	1.0609E+03	1.4968E+03	183.8	6.2794E+02	4.3443E+02
	7	1.0408E+03	1.4878E+03	183.2	5.8371E+02	4.5202E+02
	8	1.0434E+03	1.4254E+03	90.3	5.1100E+02	4.5722E+02
	9	1.0441E+03	1.4134E+03	90.7	4.9089E+02	4.6124E+02
	10	1.1326E+02	1.2499E+02	341.2	1.0186E+02	1.1564E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 002CB90	2	1.4230E+02	2.7388E+02	34.8	1.2933E+00	1.3629E+02
	4	1.5902E+01	2.9363E+01	276.9	-1.4208E+00	1.5392E+01
	5	9.5447E+00	2.6722E+01	234.7	-1.1148E+01	1.8935E+01
	6	1.8525E+01	3.7578E+01	255.4	3.8616E+00	1.6858E+01
	7	1.8343E+01	3.5611E+01	321.6	-2.2769E+01	1.8944E+01
	8	1.6904E+01	3.4190E+01	321.6	=3.5519E+00	1.8871E+01
	9	2.6339E+01	4.0456E+01	255.4	5.7742E+01	1.7341E+01
	10	-2.0055E+01	5.3370E+00	256.9	=4.5957E+01	2.5647E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 002CB53	2	-9.9994E+03	-9.9994E+03	-99.0	-9.9994E+03	-9.9994E+03
	4	-9.9994E+03	-9.9994E+03	-99.0	-9.9994E+03	-9.9994E+03
	5	-9.9994E+03	-9.9994E+03	-99.0	-9.9994E+03	-9.9994E+03
	6	-9.9994E+03	-9.9994E+03	-99.0	-9.9994E+03	-9.9994E+03
	7	-9.9994E+03	-9.9994E+03	-99.0	-9.9994E+03	-9.9994E+03
	8	-9.9994E+03	-9.9994E+03	-99.0	-9.9994E+03	-9.9994E+03
	9	-9.9994E+03	-9.9994E+03	-99.0	-9.9994E+03	-9.9994E+03
	10	-1.2434E+04	-1.2418E+04	264.6	-1.2450E+04	1.5941E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 002FB18	2	-9.9994E+03	-9.9994E+03	-99.0	-9.9994E+03	-9.9994E+03
	4	3.9559E+02	5.4820E+02	262.5	1.6107E+02	1.9356E+02
	5	3.9957E+02	5.6476E+02	213.1	1.3715E+02	2.1385E+02
	6	4.3306E+02	6.0745E+02	83.4	1.5286E+02	2.2730E+02
	7	4.3941E+02	6.1218E+02	261.6	1.3481E+02	2.3869E+02
	8	4.4339E+02	7.1276E+02	350.1	1.2087E+02	2.9595E+02
	9	4.5145E+02	7.1737E+02	343.1	1.0245E+02	3.0746E+02
	10	-1.7302E+01	-1.5809E+01	277.3	-1.9170E+01	1.6805E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 002FB38	2	4.9543E+01	1.0291E+03	285.0	-7.3700E+02	8.8304E+02
	4	1.4825E+02	3.6255E+02	248.1	-1.6399E+02	2.6327E+02
	5	1.4287E+02	3.6965E+02	263.3	-2.2333E+02	2.9649E+02
	6	1.4095E+02	3.9174E+02	262.4	-2.5789E+02	3.2452E+02
	7	1.3557E+02	4.1516E+02	357.2	-2.9822E+02	3.5669E+02
	8	1.2482E+02	4.2630E+02	261.6	-3.2395E+02	3.7513E+02
	9	1.2117E+02	4.0902E+02	262.4	-3.1896E+02	3.6399E+02
	10	2.3043E+00	3.8406E+00	285.0	1.9203E+01	1.8243E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 002FB90	2	-9.9994E+03	-9.9994E+03	-99.0	-9.9994E+03	-9.9994E+03
	4	0.0000E+00	0.0000E+00	248.1	0.0000E+00	0.0000E+00
	5	0.0000E+00	0.0000E+00	248.9	0.0000E+00	0.0000E+00
	6	0.0000E+00	0.0000E+00	255.2	0.0000E+00	0.0000E+00
	7	0.0000E+00	0.0000E+00	244.1	0.0000E+00	0.0000E+00
	8	0.0000E+00	0.0000E+00	244.1	0.0000E+00	0.0000E+00
	9	0.0000E+00	0.0000E+00	233.7	0.0000E+00	0.0000E+00
	10	0.0000E+00	0.0000E+00	70.5	0.0000E+00	0.0000E+00

TABLE 7.- CONTINUED

b) Continued

RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 LEADLAG	2	7.6261E+01	1.0470E+02	288.8	5.1071E+01	2.6812E+01
	4	1.0997E+02	1.1933E+02	356.4	1.0965E+02	3.3797E-01
	5	1.0916E+02	1.0961E+02	270.8	1.0871E+02	4.5063E-01
	6	1.1263E+02	1.1317E+02	25.0	1.1204E+02	5.6329E-01
	7	1.0983E+02	1.1024E+02	38.6	1.0947E+02	3.8303E-01
	8	1.1136E+02	1.1186E+02	355.7	1.1087E+02	4.9569E-01
	9	1.1290E+02	1.1348E+02	349.2	1.1240E+02	5.4075E-01
	10	8.9104E+01	9.1177E+01	299.0	8.4778E+01	3.1995E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 FLAPANG	2	2.3871E+00	2.5348E+01	282.4	-1.4248E+01	1.9798E+01
	4	4.9858E+00	6.1469E+00	307.1	4.1138E+00	1.0166E+00
	5	6.9431E+00	7.9813E+00	177.0	5.7357E+00	1.1228E+00
	6	7.9735E+00	9.0876E+00	169.2	7.2162E+00	9.3572E-01
	7	7.2933E+00	8.0278E+00	168.5	6.7555E+00	6.3639E-01
	8	7.5595E+00	8.6852E+00	168.5	6.7013E+00	9.9191E-01
	9	2.0782E+00	3.0521E+00	162.0	1.2300E+00	9.1109E-01
	10	-1.4270E+01	-1.4245E+01	188.0	-1.4306E+01	3.0308E-02
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 PTCHLINK	2	-1.8941E+02	4.1528E+02	55.2	-7.4196E+02	5.7862E+02
	4	6.3921E+01	5.5491E+02	126.1	-6.6695E+01	3.1081E+02
	5	4.2013E+01	4.2443E+02	126.6	-7.3489E+01	2.4896E+02
	6	7.0022E+01	4.7532E+02	126.1	-8.3056E+01	2.7919E+02
	7	9.0267E+01	5.5754E+02	285.5	-9.6099E+01	3.2682E+02
	8	5.9623E+00	3.3139E+02	285.5	-1.3547E+02	2.3343E+02
	9	3.1059E+01	4.8766E+02	126.1	-1.8178E+02	3.3472E+02
	10	-1.3589E+01	-1.2618E+01	65.4	-1.5114E+01	1.2479E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 004CB18	2	-9.9994E+03	-9.9994E+03	-99.0	-9.9994E+03	-9.9994E+03
	4	-2.2642E+03	-1.8651E+03	187.4	-2.8028E+03	4.6887E+02
	5	-2.2625E+03	-1.7797E+03	195.0	-2.8774E+03	5.4882E+02
	6	-2.2521F+03	-1.6403E+03	194.6	-2.9762E+03	6.6797E+02
	7	-2.2362E+03	-1.5360E+03	194.1	-2.9612E+03	7.1258E+02
	8	-2.2822E+03	-1.5333E+03	194.1	-2.9913E+03	7.2900E+02
	9	-2.2938E+03	-1.4688E+03	194.6	-3.0523E+03	7.9176E+02
	10	3.0898E+00	1.6221E+01	257.6	-6.5658E+00	1.1394E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 004CB53	2	-9.9990F+03	-9.9990E+03	-99.0	-9.9990E+03	-9.9990E+03
	4	-6.5666E+02	-1.1773E+02	108.6	-1.2479E+03	5.6507E+02
	5	-6.5586E+02	-3.1440E+01	108.8	-1.2863E+03	6.2744E+02
	6	-6.5648E+02	1.1329E+02	108.6	-1.3377E+03	7.2552E+02
	7	-6.5443E+02	1.5823E+02	108.3	-1.4218E+03	7.9002E+02
	8	-6.7032E+02	2.2931E+02	287.0	-1.3779E+03	8.0361E+02
	9	-6.7562E+02	2.4298E+02	241.7	-1.4056E+03	8.2428E+02
	10	-3.4174E+01	3.0757E+00	117.1	-2.7339E+00	2.9048E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 004FB13	2	1.1020E+02	7.0133E+02	191.2	-4.5410E+02	5.7772E+02
	4	1.9207E+02	5.0712E+02	352.1	-1.3386E+02	3.2649E+02
	5	1.6803E+02	5.4697E+02	352.9	-1.5790E+02	3.5244E+02
	6	1.5980E+02	5.7633E+02	352.1	-1.5373E+02	3.6503E+02
	7	1.5373E+02	6.0530E+02	351.3	-1.2729E+02	3.6629E+02
	8	1.2362E+02	5.5064E+02	351.3	-1.3817E+02	3.4440E+02
	9	1.1754E+02	5.1914E+02	352.1	-1.5373E+02	3.3643E+02
	10	2.0244E+00	3.6693E+00	25.2	-8.8568E-01	2.2775E+00

TABLE 7.- CONTINUED

## b) Concluded

RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 004FB18	2	-1.4518E+02	4.7902E+02	308.6	-9.1333E+02	6.9618E+02
	4	-6.3829E+01	2.0288E+02	352.1	-4.3088E+02	3.1688E+02
	5	-8.7841E+01	2.2530E+02	352.9	-4.6763E+02	3.4647E+02
	6	-9.7765E+01	2.5997E+02	352.1	-4.7308E+02	3.6503E+02
	7	-1.0928E+02	2.8582E+02	351.2	-4.6947E+02	3.7764E+02
	8	-1.3561E+02	2.5801E+02	351.2	-4.8160E+02	3.6980E+02
	9	-1.4456E+02	2.4764E+02	352.1	-5.0671E+02	3.7715E+02
	10	4.6555E+00	6.0031E+00	122.2	3.3078E+00	1.3476E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 004FB53	2	5.9304E+01	4.3971E+02	9.9	-3.9846E+02	4.1908E+02
	4	9.4028E+01	1.9795E+02	323.3	-5.5180E+01	1.2657E+02
	5	8.5780E+01	2.3779E+02	324.1	-8.6687E+01	1.6224E+02
	6	8.2728E+01	2.5511E+02	330.9	-9.7575E+01	1.7634E+02
	7	7.8274E+01	2.7903E+02	329.7	-1.1679E+02	1.9791E+02
	8	7.2583E+01	3.0015E+02	329.7	-1.4442E+02	2.2229E+02
	9	7.2831E+01	3.0567E+02	334.5	-1.4566E+02	2.2567E+02
	10	2.1445E+00	2.9693E+00	135.9	1.4022E+00	7.8357E-01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 004FB91	2	0.0000E+00	0.0000E+00	194.4	0.0000E+00	0.0000E+00
	4	0.0000E+00	0.0000E+00	93.4	0.0000E+00	0.0000E+00
	5	0.0000E+00	0.0000E+00	148.4	0.0000E+00	0.0000E+00
	6	0.0000E+00	0.0000E+00	14.6	0.0000E+00	0.0000E+00
	7	0.0000E+00	0.0000E+00	107.4	0.0000E+00	0.0000E+00
	8	0.0000E+00	0.0000E+00	109.3	0.0000E+00	0.0000E+00
	9	0.0000E+00	0.0000E+00	7.4	0.0000E+00	0.0000E+00
	10	0.0000E+00	0.0000E+00	278.3	0.0000E+00	0.0000E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 004TB13	2	-2.4048E+02	9.9831E+00	89.0	-4.8133E+02	2.4565E+02
	4	-3.0484E+01	5.5620E+01	280.3	-1.1481E+02	8.5213E+01
	5	-4.4567E+01	4.1180E+01	273.8	-1.2265E+02	8.1915E+01
	6	-5.8659E+01	3.4228E+01	280.3	-1.3459E+02	8.4414E+01
	7	-7.2199E+01	2.4245E+01	279.6	-1.4155E+02	8.2895E+01
	8	-9.8404E+01	-2.6740E+00	279.6	-1.6953E+02	8.3430E+01
	9	-1.0914E+02	-1.5331E+01	280.3	-1.7506E+02	7.9864E+01
	10	4.1002E+00	8.2004E+00	150.3	1.6044E+00	3.2980E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 TORQUE	2	-9.9990E+03	-9.9990E+03	-99.0	-9.9990E+03	-9.9990E+03
	4	6.5417E+02	7.1682E+02	316.2	6.1147E+02	5.7675E+01
	5	6.7199E+02	7.4978E+02	317.0	6.1278E+02	6.8502E+01
	6	7.0341E+02	8.1137E+02	316.2	6.3366E+02	8.3352E+01
	7	7.4940E+02	8.5823E+02	315.4	6.6854E+02	9.4848E+01
	8	8.9713E+02	1.0142E+03	315.4	8.1148E+02	1.1136E+02
	9	9.9006E+02	1.1257E+03	323.3	8.9886E+02	1.1343E+02
	10	3.8323E-01	1.3413E+00	0.0	-3.8323E-01	8.6226E-01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
61 002HANG	2	-9.9990E+03	-9.9990E+03	-99.0	-9.9990E+03	-9.9990E+03
	4	-9.9990E+03	-9.9990E+03	-99.0	-9.9990E+03	-9.9990E+03
	5	-9.9990E+03	-9.9990E+03	-99.0	-9.9990E+03	-9.9990E+03
	6	-9.9990E+03	-9.9990E+03	-99.0	-9.9990E+03	-9.9990E+03
	7	-9.9990E+03	-9.9990E+03	-99.0	-9.9990E+03	-9.9990E+03
	8	-9.9990E+03	-9.9990E+03	-99.0	-9.9990E+03	-9.9990E+03
	9	-9.9990E+03	-9.9990E+03	-99.0	-9.9990E+03	-9.9990E+03
	10	-2.6696E-01	-2.3090E-01	269.7	-3.0312E-01	3.6155E-02

TABLE 7.- CONTINUED

## c) Block C data

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 TORQUE	4	6.542E+02	1	2.4531E+00	2.9392E+00	3.8284E+00	50.2
			2	-5.3938E+00	-5.3635E+00	7.6066E+00	224.8
			3	-1.9558E-01	-2.3844E-01	3.0840E-01	230.6
			4	-5.1398E+01	6.1441E-01	5.1402E+01	179.3
			5	-2.3120E-01	5.3420E-01	5.8208E-01	113.4
			6	6.5793E-01	1.0424E+00	1.2327E+00	57.7
			7	1.1606E-01	4.2162E-01	4.3730E-01	74.6
			8	4.5569E+00	1.4504E+00	4.7813E+00	17.7
			9	1.1362E-01	4.5841E-01	4.7228E-01	76.1
			10	-1.2028E-01	3.4392E-04	1.2028E-01	179.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 TORQUE	5	6.720E+02	1	3.1038E+00	-1.0509E+00	3.2769E+00	341.3
			2	-5.1496E+00	-2.0232E+00	5.5328E+00	201.4
			3	-1.8905E+00	1.0967E+00	2.1856E+00	149.9
			4	-6.1523E+01	-1.1023E+00	6.1533E+01	181.0
			5	-1.0897E-01	5.6803E-01	5.7839E-01	100.9
			6	1.3304E+00	1.4609E+00	1.9759E+00	47.7
			7	6.5646E-01	8.7659E-01	1.0951E+00	53.2
			8	7.6655E+00	3.0671E+00	8.2563E+00	21.8
			9	3.0253E-01	4.0306E-01	5.0397E-01	53.1
			10	-1.6864E-01	-1.0705E-01	1.9975E-01	212.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 TORQUE	6	7.034E+02	1	2.6336E+00	-1.3511E+00	2.9599E+00	332.8
			2	-1.4645E-01	-7.1195E+00	7.1210E+00	268.8
			3	1.4159E+00	2.0912E+00	2.5255E+00	55.9
			4	-7.5561E+01	-6.1995E+00	7.5815E+01	184.7
			5	-1.4583E+00	3.3076E-01	1.4953E+00	167.2
			6	2.5933E-01	1.9571E+00	1.9730E+00	82.7
			7	6.7654E-01	1.5683E-01	6.9448E-01	13.1
			8	9.8191E+00	3.0189E+00	1.0273E+01	17.1
			9	1.2208E+00	1.5490E+00	1.9722E+00	51.8
			10	-1.9215E-01	-1.5517E-01	2.4698E-01	218.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 TORQUE	7	7.494E+02	1	3.3898E+00	-5.3792E+00	6.3581E+00	302.2
			2	-3.2269E+00	-1.3661E+01	1.4037E+01	256.7
			3	2.4395E+00	1.8952E+00	3.0892E+00	37.8
			4	-7.9787E+01	-7.8240E+00	8.0170E+01	185.6
			5	-2.6785E+00	-3.4678E-03	2.6785E+00	180.1
			6	-1.2833E+00	1.9961E+00	2.3730E+00	122.7
			7	-3.6291E-01	3.0574E-02	3.6420E-01	175.2
			8	7.3216E+00	2.9012E+00	7.8755E+00	21.6
			9	1.3626E+00	1.1805E+00	1.8028E+00	40.9
			10	-8.1550E-02	-1.1003E-01	1.3696E-01	233.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 TORQUE	8	8.971E+02	1	1.8927E+00	-4.6081E+00	4.9817E+00	292.3
			2	-5.3194E+00	-2.7232E+01	2.7747E+01	258.9
			3	3.4231E+00	2.3108E+00	4.1301E+00	34.4
			4	-7.8258E+01	-1.1122E+01	7.9045E+01	188.1
			5	-2.3255E+00	-1.2310E+00	2.6312E+00	207.9
			6	-5.2469E+00	3.4688E+00	6.2898E+00	146.5
			7	-9.7330E-01	5.1426E-01	1.1008E+00	152.1
			8	5.5106E+00	4.7251E+00	7.2590E+00	40.6
			9	6.5136E-01	3.9953E-01	7.6413E-01	31.5
			10	-1.6191E-01	-6.2374E-01	6.4441E-01	255.4

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TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 TORQUE	9	9.901E+02	1	1.7444E+00	-5.4473E+00	5.7198E+00	287.8
			2	-6.1257E-01	-4.0153E+01	4.0158E+01	269.1
			3	3.3226E+00	1.5491E+00	3.6660E+00	25.0
			4	-7.6606E+01	-2.6148E+01	8.0946E+01	198.8
			5	-9.1835E-01	-1.4171E+00	1.6887E+00	237.1
			6	-6.4879E+00	2.9614E+00	7.1318E+00	155.5
			7	-1.3715E+00	1.5338E+00	2.0576E+00	131.8
			8	2.7230E+00	5.0297E+00	5.7199E+00	61.6
			9	4.4588E-01	-1.1566E+00	1.2395E+00	291.1
			10	6.3198E-02	-1.2251E-01	1.3785E-01	297.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002CB18	4	1.140E+03	1	-1.4458E+02	7.1468E+00	1.4476E+02	177.2
			2	2.1734E+01	-4.0444E+01	4.5914E+01	298.3
			3	-2.3520E+01	-1.2351E+01	2.6566E+01	207.7
			4	1.0276E+02	1.6391E+02	1.9346E+02	57.9
			5	-1.9038E+01	2.6404E+01	3.2551E+01	125.8
			6	1.7206E+00	4.5925E+00	4.9043E+00	69.5
			7	-4.9041E+00	-1.1097E+00	5.0261E+00	192.6
			8	1.3288E+01	-1.4495E+01	1.0664E+01	312.5
			9	2.4568E+00	-1.5803E+00	2.9212E+00	327.2
			10	1.7558E+00	1.8197E-01	1.7652E+00	5.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002CB18	5	1.076E+03	1	-1.7205E+02	6.5778E+01	1.8419E+02	159.1
			2	2.9407E+01	-3.5258E+01	4.5912E+01	309.8
			3	-2.8625E+01	9.6689E-01	2.8642E+01	178.1
			4	1.2124E+02	2.0262E+02	2.3613E+02	59.1
			5	-1.2486E+01	1.3149E+01	1.8132E+01	133.5
			6	-6.0188E-01	4.3976E+00	4.4386E+00	97.8
			7	-6.4282E+00	8.8668E-02	6.4288E+00	179.2
			8	2.2771E+01	-2.3606E+01	3.2799E+01	314.9
			9	1.8350E-01	-8.3016E-01	8.5019E-01	282.5
			10	1.8481E+00	-1.3852E+00	2.3096E+00	323.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002CB18	6	1.061E+03	1	-1.5810E+02	6.3176E+01	1.7926E+02	158.2
			2	4.3352E+01	-4.1835E+01	6.0246E+01	316.1
			3	-3.0133E+01	-7.6773E+00	3.1096E+01	194.3
			4	1.2570E+02	2.5625E+02	2.8542E+02	63.9
			5	-1.4225E+01	6.3543E+00	1.5579E+01	155.9
			6	-2.5877E+00	7.0355E+00	7.4963E+00	116.2
			7	-8.4222E+00	-3.1562E+00	8.9942E+00	200.5
			8	2.5557E+01	-2.9358E+01	3.8924E+01	311.6
			9	4.6818E+00	-4.6377E+00	6.5900E+00	315.3
			10	3.0194E+00	-1.6281E+00	3.4304E+00	331.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002CB18	7	1.041E+03	1	-1.6587E+02	1.0006E+02	1.9372E+02	148.9
			2	4.2724E+01	-5.8957E+01	7.2810E+01	305.9
			3	-4.6191E+01	1.7478E+00	4.6224E+01	177.8
			4	1.3548E+02	2.6741E+02	2.9977E+02	63.1
			5	2.4502E+00	-1.6457E+00	2.9516E+00	326.1
			6	-3.5011E-01	4.0619E-01	5.3625E-01	130.8
			7	-1.1806E+01	-3.8474E+00	1.2417E+01	198.6
			8	2.0760E+01	-2.4053E+01	3.1773E+01	310.8
			9	-1.3864E+00	-1.6607E+00	2.1634E+00	230.1
			10	2.0877E+00	-5.2958E-01	2.1538E+00	345.8

TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002CB18	8	1.043E+03	1	-1.0842E+02	1.6629E+02	1.9851E+02	123.1
			2	3.7220E+01	-5.5926E+01	6.7179E+01	303.6
			3	-6.3214E+01	2.8929E+01	6.9519E+01	155.4
			4	1.5851E+02	2.4457E+02	2.9145E+02	57.1
			5	5.8267E+01	3.7859E+01	6.9486E+01	33.0
			6	-2.6180E-01	5.4558E+00	5.4621E+00	92.7
			7	-1.3588E+01	-8.4707E+00	1.6012E+01	211.9
			8	1.4171E+01	-1.6020E+01	2.1388E+01	311.5
			9	4.2323E+00	1.3739E+00	4.4497E+00	18.4
			10	6.8608E+00	4.4704E+00	8.1887E+00	33.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002CB18	9	1.044E+03	1	-7.6022E+01	1.5649E+02	1.7398E+02	115.9
			2	3.6799E+01	-7.3450E+01	8.2153E+01	296.6
			3	-6.4272E+01	3.1538E+01	6.8025E+01	152.4
			4	1.2827E+02	2.6598E+02	2.9529E+02	64.3
			5	5.2196E+01	5.8591E+01	7.8469E+01	48.3
			6	-1.0139E+01	6.5554E+00	1.2073E+01	147.1
			7	-1.3573E+01	-1.0815E+01	1.7355E+01	218.5
			8	1.4027E+01	-7.3851E+00	1.5853E+01	332.2
			9	-5.9717E-01	4.4143E+00	4.4546E+00	97.7
			10	4.5435E+00	8.5110E-01	4.6225E+00	10.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002CB90	4	1.590E+01	1	6.1191E-02	-6.7784E+00	6.7783E+00	270.5
			2	-1.0883E+00	-2.2456E-01	1.1104E+00	191.5
			3	-1.1150E+00	3.5424E-01	1.1707E+00	162.4
			4	-3.7844E+00	-7.7212E-01	3.8623E+00	191.5
			5	-2.1979E-01	-3.4545E+00	3.4615E+00	266.4
			6	-1.0192E+00	-8.8698E-02	1.0231E+00	185.8
			7	4.0696E-03	9.4494E-01	9.4495E-01	89.8
			8	9.7441E-01	-2.3427E-01	1.0022E+00	346.5
			9	6.6000E-01	-1.7896E-01	6.8187E-01	345.5
			10	-2.7903E-01	2.9946E-02	2.8063E-01	173.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002CB90	5	9.545E+00	1	4.2219E-01	-5.7775E+00	5.7929E+00	274.2
			2	-4.3900E-01	9.0028E-01	1.0016E+00	116.6
			3	6.9909E-01	-5.1280E-01	8.6700E-01	323.7
			4	-6.3513E+00	5.8758E+00	8.6524E+00	222.8
			5	4.2294E+00	-2.8602E+00	5.1057E+00	325.9
			6	-9.1062E-01	-9.0704E-01	1.2853E+00	224.9
			7	-7.3789E-01	9.3921E-01	1.1944E+00	128.2
		A	8	7.8564E-01	5.1277E-01	9.3817E-01	33.1
			9	5.4278E-01	-3.2144E-01	6.3082E-01	329.4
			10	4.9891E-02	2.2717E-02	5.4819E-02	24.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002CB90	6	1.852E+01	1	1.3916E+00	-8.7565E+00	8.8664E+00	279.0
			2	-3.6305E+00	6.5876E-02	3.6311E+00	179.0
			3	-1.9124E+00	2.5395E+00	3.1794E+00	127.6
			4	2.2430E+00	6.6452E-01	2.3394E+00	16.5
			5	-3.2020E+00	2.8124E+00	4.2617E+00	138.7
			6	-3.7258E-01	1.7989E+00	1.8371E+00	101.7
			7	1.2764E+00	5.0117E-01	1.3713E+00	21.4
			8	9.0405E-01	-8.6538E-01	1.2515E+00	316.3
			9	4.7766E-01	4.9216E-01	6.8584E-01	45.9
			10	-5.2186E-01	5.8268E-01	7.8221E-01	131.8

TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002CB90	7	1.834E+01	1	2.9153E+00	-8.3566E+00	8.8505E+00	289.2
			2	-8.4117E-01	8.2551E-01	1.1786E+00	135.5
			3	-1.3319E+00	-3.8958E-01	1.3877E+00	196.3
			4	-5.6991E+00	-1.3876E+00	5.7782E+00	193.9
			5	-2.8536E-01	-3.4540E+00	3.4658E+00	265.3
			6	-1.4574E+00	5.2645E-01	1.5496E+00	160.1
			7	6.8081E-01	1.1388E+00	1.3268E+00	59.1
			8	2.0983E+00	-5.3839E-02	2.0990E+00	358.5
			9	1.4758E+00	-6.5078E-01	1.6129E+00	336.2
			10	-6.2927E-02	-1.6128E-01	1.7312E-01	248.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002CB90	8	1.699E+01	1	4.5582E+00	-9.8788E+00	1.0889E+01	294.8
			2	-2.6041E+00	1.1252E+00	2.8368E+00	156.6
			3	-1.3807E+00	1.1004E+00	1.7656E+00	141.4
			4	-2.9007E+00	-2.1567E+00	3.6146E+00	216.6
			5	-1.6925E+00	-2.6704E-01	1.1129E+00	190.7
			6	-4.6843E-01	3.9226E-01	6.1097E-01	144.1
			7	5.0853E-01	1.0234E-01	5.1873E-01	11.4
			8	1.6274E+00	7.0891E-01	1.7751E+00	23.5
			9	1.6815E+00	2.8803E-01	1.7060E+00	9.7
			10	8.5900E-01	5.9235E-01	1.0434E+00	34.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002CB90	9	2.634E+01	1	4.3709E+00	-9.6783E+00	1.0619E+01	294.3
			2	-2.7716E+00	1.3638E+00	3.0890E+00	153.8
			3	1.8567E-01	4.3689E-01	4.7471E-01	67.0
			4	-1.5303E+00	-5.0863E+00	5.3116E+00	253.3
			5	1.3865E+00	-1.3474E+00	1.9333E+00	315.8
			6	-5.8399E-01	-7.1599E-01	9.2326E-01	230.8
			7	-2.7781E-01	1.5483E-01	3.1805E-01	150.9
			8	7.5849E-01	3.3524E-01	8.2926E-01	23.8
			9	7.6116E-01	2.6150E-01	8.0483E-01	19.5
			10	1.5558E-01	3.8822E-01	4.1823E-01	68.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB18	4	3.956E+02	1	6.2537E+01	-6.0935E+01	8.7316E+01	315.7
			2	-3.6496E+01	5.9517E+01	6.9816E+01	121.5
			3	5.2817E+01	-1.6784E+01	5.5419E+01	342.4
			4	7.2948E+00	4.5596E+00	8.6026E+00	32.0
			5	2.9388E+01	-1.9750E+01	3.5408E+01	326.1
			6	-2.8414E+01	2.4343E+01	3.7416E+01	139.4
			7	-2.1475E+01	-1.1317E+01	2.4275E+01	207.8
			8	9.9791E+00	-1.9937E+01	2.2295E+01	296.6
			9	-2.3450E+00	-6.2180E+00	6.6455E+00	249.3
			10	2.5318E+00	-4.1394E+00	4.8523E+00	301.5
B							
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB18	5	3.996E+02	1	4.9759E+01	-5.9974E+01	7.7929E+01	349.7
			2	-4.0545E+01	6.5301E+01	7.6864E+01	121.8
			3	7.0673E+01	-3.2868E+01	7.7942E+01	335.1
			4	1.9177E+01	7.2875E+00	2.0515E+01	29.8
			5	4.3674E+01	-2.2135E+01	4.8963E+01	333.1
			6	-4.9030E+01	3.8124E+01	6.2108E+01	142.1
			7	-3.0866E+01	-1.8322E+01	3.5894E+01	210.7
			8	1.1778E+01	-3.2633E+01	3.4693E+01	289.8
			9	-5.9819E+00	6.8755E+00	9.1129E+00	131.4
			10	4.5276E+00	-7.6374E+00	8.8786E+00	300.7

TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB18	6	4.331E+02	1	6.1368E+01	-4.6943E+01	7.7264E+01	322.6
			2	-4.5594E+01	6.0840E+01	7.6028E+01	126.8
			3	8.5080E+01	-2.3891E+01	8.8379E+01	344.3
			4	2.1845E+01	7.1079E+00	2.2972E+01	18.4
			5	5.6504E+01	-1.4179E+01	5.8256E+01	345.9
			6	-6.8980E+01	3.4632E+01	7.0136E+01	150.4
			7	-3.3005E+01	-2.3455E+01	4.0491E+01	215.4
			8	1.3966E+01	-3.3282E+01	3.6094E+01	292.8
			9	7.1031E+00	4.7941E+00	8.5696E+00	34.0
			10	6.9988E+00	-7.3890E+00	1.0177E+01	313.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB18	7	4.394E+02	1	7.1017E+01	-4.9745E+01	8.6706E+01	325.4
			2	-5.0882E+01	5.8180E+01	7.7291E+01	131.2
			3	1.0439E+02	-2.3519E+01	1.0700E+02	347.3
			4	2.9246E+01	5.2246E+01	2.9709E+01	10.1
			5	6.0664E+01	-2.1278E+01	6.4287E+01	340.7
			6	-5.3855E+01	3.6986E+01	6.5341E+01	145.5
			7	-3.1393E+01	-2.0235E+01	3.7349E+01	212.8
			8	1.5622E+01	-2.5484E+01	2.9891E+01	301.5
			9	-4.2974E+00	4.6697E+00	6.3462E+00	132.6
			10	1.9375E+00	-4.9995E+00	5.3618E+00	291.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB18	8	4.434E+02	1	7.7681E+01	-5.3253E+01	9.4182E+01	325.6
			2	-6.3050E+01	6.5239E+01	9.0727E+01	134.0
			3	1.0724E+02	-3.8357E+01	1.1389E+02	340.3
			4	3.1705E+01	-1.9484E+01	3.7214E+01	328.4
			5	3.6146E+01	-5.7827E+01	6.8195E+01	302.8
			6	-2.2614E+01	1.3469E+01	2.6321E+01	149.2
			7	-2.2252E+01	-1.8262E+01	2.8786E+01	219.4
			8	6.9695E+00	-1.8984E+01	2.0223E+01	294.2
			9	-3.7289E+00	-1.2134E+01	1.2694E+01	252.9
			10	2.2462E+00	-5.0888E+00	5.5624E+00	293.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB18	9	4.515E+02	1	9.4820E+01	-5.2007E+01	1.0815E+02	331.3
			2	-6.8236E+01	6.3289E+01	9.3014E+01	137.2
			3	9.2798E+01	-5.1552E+01	1.0616E+02	330.9
			4	2.4393E+01	-2.3490E+01	3.3865E+01	316.1
			5	2.3053E+01	-5.2177E+01	5.7043E+01	293.8
			6	-3.8857E+01	7.6543E+00	3.9603E+01	168.9
			7	-2.4971E+01	-2.0806E+01	3.2503E+01	219.8
			8	2.5733E+00	-9.3822E+00	9.7287E+00	285.3
			9	-1.6471E+01	-1.5884E+01	2.2882E+01	224.0
			10	-1.0090E+00	-4.4074E+00	4.5214E+00	257.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB38	4	1.482E+02	1	1.4117E+02	-1.3355E+02	1.9434E+02	316.6
			2	-4.1364E+01	9.1431E+01	1.0035E+02	114.3
			3	5.7004E+01	-2.0788E+00	5.7042E+01	357.9
			4	5.3977E+00	1.4661E+00	5.5933E+00	15.2
			5	9.2428E+00	-7.4884E+00	1.1896E+01	321.8
			6	-1.3426E+00	6.5123E+00	6.6492E+00	101.6
			7	1.2641E+00	1.2744E+00	1.7949E+00	45.2
			8	-2.3694E+00	2.8839E+00	3.7324E+00	129.4
			9	3.5044E+00	9.9375E+01	3.6426E+00	15.8
			10	-7.0740E-01	3.6435E+00	3.7116E+00	101.0

TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB38	5	1.429E+02	1	1.4835E+02	-1.4976E+02	2.1080E+02	314.7
			2	-4.8096E+01	9.6838E+01	1.0812E+02	116.4
			3	7.5633E+01	-1.8925E+01	7.8935E+01	346.1
			4	1.2043E+01	3.8054E+00	1.2630E+01	17.5
			5	1.7322E+01	-9.6420E+00	1.9825E+01	330.9
			6	-7.2614E+00	5.4656E+00	9.9885E+00	143.9
			7	2.3568E+00	1.7699E+00	2.9474E+00	36.9
			8	-5.1017E+00	7.0693E+00	8.7179E+00	125.8
			9	3.4896E+00	-4.7095E+00	5.8614E+00	306.5
			10	2.3921E-01	4.8869E+00	4.8928E+00	87.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB38	6	1.409E+02	1	1.6157E+02	-1.5387E+02	2.2312E+02	316.4
			2	-5.6457E+01	9.3468E+01	1.0920E+02	121.1
			3	8.9904E+01	-1.1158E+01	9.0594E+01	352.9
			4	1.4585E+01	2.8172E+00	1.4854E+01	10.9
			5	2.1688E+01	-9.5848E+00	2.3712E+01	336.2
			6	-8.2670E+00	4.5009E+00	9.4128E+00	151.4
			7	2.4076E+00	2.2873E+00	3.3209E+00	43.5
			8	-3.5042E+00	7.0420E+00	7.8657E+00	116.5
			9	4.6123E-01	-3.5141E+00	3.5469E+00	277.8
			10	-9.7975E-01	4.9967E+00	5.0918E+00	101.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB38	7	1.356E+02	1	1.7533E+02	-1.6041E+02	2.3764E+02	317.5
			2	-6.4487E+01	8.9563E+01	1.1036E+02	125.8
			3	1.0948E+02	-1.1113E+01	1.0964E+02	354.2
			4	2.4656E+01	5.4686E+01	2.4664E+01	1.5
			5	2.5816E+01	-1.65529E+01	3.0654E+01	327.4
			6	-6.3891E+00	3.8273E+00	7.4478E+00	149.1
			7	3.9303E+00	1.7730E+00	4.3117E+00	24.3
			8	-1.4795E+00	4.5182E+00	4.7543E+00	108.1
			9	5.8560E+00	-3.2552E+00	6.6999E+00	330.9
			10	1.2355E+00	3.5882E+00	3.7949E+00	71.0
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB38	8	1.248E+02	1	1.8098E+02	-1.6643E+02	2.4587E+02	317.4
			2	-8.5487E+01	8.2916E+01	1.1909E+02	135.9
			3	1.1120E+02	-3.0153E+01	1.1522E+02	344.8
			4	2.4958E+01	-2.0036E+01	3.2006E+01	321.2
			5	2.1332E+01	-3.3027E+01	3.9317E+01	302.9
			6	3.3768E+00	-5.6068E+00	6.5451E+00	301.1
			7	6.0154E+00	-1.4339E+00	6.1836E+00	346.6
			8	2.4544E+00	3.1754E+00	3.7817E+00	57.1
			9	5.9360E+00	2.7739E+00	6.5522E+00	25.6
			10	-6.8736E-01	4.2279E+00	4.2826E+00	99.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB38	9	1.212E+02	1	1.8205E+02	-1.6602E+02	2.4638E+02	317.6
			2	-9.3961E+01	7.7528E+01	1.2182E+02	140.5
			3	9.8443E+01	-4.4861E+01	1.0814E+02	335.5
			4	1.9157E+01	-2.5128E+01	3.1598E+01	307.3
			5	1.4731E+01	-2.9022E+01	3.2547E+01	296.9
			6	-8.5911E+01	-4.5390E+00	4.6196E+00	259.3
			7	4.8042E+00	-2.4167E+00	5.3778E+00	333.3
			8	8.3703E-01	-2.6726E-01	8.7866E-01	342.3
			9	9.2467E+00	4.0114E+00	1.0079E+01	23.5
			10	5.9501E-01	4.8683E+00	4.9045E+00	83.0

TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB90	4	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	294.9
			2	0.0000E+00	0.0000E+00	0.0000E+00	106.2
			3	0.0000F+00	0.0000E+00	0.0000E+00	350.8
			4	0.0000E+00	0.0000E+00	0.0000E+00	252.5
			5	0.0000E+00	0.0000E+00	0.0000E+00	5.4
			6	0.0000E+00	0.0000E+00	0.0000E+00	314.6
			7	0.0000E+00	0.0000E+00	0.0000E+00	201.2
			8	0.0000E+00	0.0000E+00	0.0000E+00	305.4
			9	0.0000E+00	0.0000E+00	0.0000E+00	348.4
			10	0.0000E+00	0.0000E+00	0.0000E+00	40.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB90	5	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	292.2
			2	0.0000E+00	0.0000E+00	0.0000E+00	107.7
			3	0.0000E+00	0.0000E+00	0.0000E+00	335.6
			4	0.0000E+00	0.0000E+00	0.0000E+00	255.7
			5	0.0000E+00	0.0000E+00	0.0000E+00	46.7
			6	0.0000E+00	0.0000E+00	0.0000E+00	339.5
			7	0.0000E+00	0.0000E+00	0.0000E+00	217.1
			8	0.0000E+00	0.0000E+00	0.0000E+00	310.8
			9	0.0000E+00	0.0000E+00	0.0000E+00	72.4
			10	0.0000E+00	0.0000E+00	0.0000E+00	20.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB90	6	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	291.7
			2	0.0000E+00	0.0000E+00	0.0000E+00	119.7
			3	0.0000E+00	0.0000E+00	0.0000E+00	12.6
			4	0.0000E+00	0.0000E+00	0.0000E+00	276.9
			5	0.0000F+00	0.0000E+00	0.0000E+00	140.2
			6	0.0000E+00	0.0000F+00	0.0000E+00	355.5
			7	0.0000E+00	0.0000E+00	0.0000E+00	235.7
			8	0.0000E+00	0.0000E+00	0.0000E+00	313.6
			9	0.0000E+00	0.0000E+00	0.0000E+00	29.2
			10	0.0000E+00	0.0000E+00	0.0000E+00	45.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB90	7	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	291.9
			2	0.0000F+00	0.0000E+00	0.0000E+00	114.4
			3	0.0000F+00	0.0000E+00	0.0000E+00	345.3
			4	0.0000E+00	0.0000E+00	0.0000E+00	240.9
			5	0.0000E+00	0.0000E+00	0.0000E+00	167.5
			6	0.0000F+00	0.0000E+00	0.0000E+00	337.0
			7	0.0000E+00	0.0000F+00	0.0000E+00	199.7
			8	0.0000E+00	0.0000E+00	0.0000E+00	324.9
			9	0.0000E+00	0.0000F+00	0.0000E+00	31.1
			10	0.0000E+00	0.0000E+00	0.0000E+00	36.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB90	8	0.000E+00	1	0.0000E+00	0.0000F+00	0.0000E+00	294.9
			2	0.0000F+00	0.0000E+00	0.0000E+00	111.3
			3	0.0000E+00	0.0000E+00	0.0000E+00	354.5
			4	0.0000E+00	0.0000E+00	0.0000E+00	216.7
			5	0.0000E+00	0.0000E+00	0.0000E+00	109.3
			6	0.0000E+00	0.0000E+00	0.0000E+00	79.9
			7	0.0000E+00	0.0000E+00	0.0000E+00	179.0
			8	0.0000E+00	0.0000E+00	0.0000E+00	321.6
			9	0.0000E+00	0.0000E+00	0.0000E+00	334.2
			10	0.0000E+00	0.0000E+00	0.0000E+00	36.0

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TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 002FB9H	9	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	291.2
			2	0.0000E+00	0.0000E+00	0.0000E+00	108.7
			3	0.0000E+00	0.0000E+00	0.0000E+00	345.5
			4	0.0000E+00	0.0000E+00	0.0000E+00	208.6
			5	0.0000E+00	0.0000E+00	0.0000E+00	95.7
			6	0.0000E+00	0.0000E+00	0.0000E+00	46.1
			7	0.0000E+00	0.0000E+00	0.0000E+00	208.9
			8	0.0000E+00	0.0000E+00	0.0000E+00	304.5
			9	0.0000E+00	0.0000E+00	0.0000E+00	279.8
			10	0.0000E+00	0.0000E+00	0.0000E+00	50.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 LEADLAG	4	1.100E+02	1	8.8982E-02	-6.9302E-03	8.9252E-02	355.5
			2	1.3667E-02	4.2939E-02	4.5061E-02	72.3
			3	-9.5763E-04	3.6220E-02	3.6233E-02	91.5
			4	2.2287E-02	-3.6749E-02	4.2979E-02	301.2
			5	-9.4798E-03	-5.3406E-02	5.4241E-02	259.9
			6	2.4014E-02	-3.4019E-02	4.1640E-02	305.2
			7	-1.1513E-02	1.2056E-02	1.6671E-02	133.7
			8	1.8129E-02	-1.3252E-02	2.2456E-02	323.8
			9	3.6363E-03	-2.6111E-02	2.6363E-02	277.9
			10	1.5988E-02	-9.0003E-03	1.8347E-02	330.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 LEADLAG	5	1.092E+02	1	1.2361E-01	1.9213E-02	1.2510E-01	8.8
			2	-2.9466E-02	2.7008E-02	3.9971E-02	137.5
			3	4.7986E-02	2.9522E-02	5.6341E-02	31.6
			4	6.1207E-02	2.0251E-02	6.4471E-02	18.3
			5	5.9318E-02	-5.3831E-02	8.8103E-02	317.8
			6	1.3758E-03	-1.0490E-02	1.0580E-02	277.5
			7	-7.1232E-03	-4.4975E-03	8.4242E-03	212.3
			8	1.2420E-03	-3.2782E-02	3.2805E-02	272.2
			9	-9.6721E-04	-3.8676E-03	3.9867E-03	256.0
			10	5.2257E-03	-1.1985E-04	5.2270E-03	358.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 LEADLAG	6	1.126E+02	1	1.4782E-01	3.6255E-02	1.5220E-01	13.8
			2	-4.3676E-02	2.0526E-02	4.8259E-02	154.8
			3	-1.2468E-03	6.1400E-02	6.1413E-02	91.2
			4	-1.3326E-02	-6.3941E-02	6.5315E-02	258.2
			5	-6.1138E-03	2.7806E-03	6.7164E-03	155.5
			6	-5.2697E-02	-5.8068E-02	7.8414E-02	227.8
			7	-2.3198E-03	-7.4552E-03	7.8078E-03	252.7
			8	2.2357E-03	-2.1409E-02	2.1525E-02	276.0
			9	1.7529E-02	-1.8959E-02	2.5821E-02	312.8
			10	1.2262E-02	-8.9798E-03	1.5198E-02	323.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 LEADLAG	7	1.098E+02	1	2.1002E-01	4.1839E-02	2.1414E-01	11.3
			2	-8.0474E-02	6.5604E-02	1.0383E-01	140.8
			3	3.7933E-03	4.3163E-02	4.3329E-02	85.0
			4	3.3751E-02	-4.3480E-02	5.5042E-02	307.8
			5	1.7728E-02	-1.0905E-02	2.0813E-02	328.4
			6	-7.7812E-03	1.8262E-02	1.9850E-02	246.9
			7	-3.9272E-03	-9.0555E-03	9.8704E-03	246.6
			8	1.0397E-02	-2.1912E-02	2.4254E-02	295.4
			9	7.3590E-03	-1.3258E-02	1.5164E-02	299.0
			10	2.2174E-02	-5.8244E-03	2.2926E-02	345.3

TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 LEADLAG	8	1.114E+02	1	3.6895E-01	-6.1083E-02	3.7397E-01	350.6
			2	-7.9815E-02	6.4269E-02	1.0247E-01	141.2
			3	-9.0730E-03	5.7886E-02	5.8593E-02	98.9
			4	5.8375E-02	-4.3655E-02	7.2893E-02	323.2
			5	2.0110E-02	-1.0677E-02	2.2768E-02	332.3
			6	1.9354E-02	1.2893E-02	2.3255E-02	33.7
			7	7.5197E-03	1.4216E-03	7.6529E-03	10.7
			8	9.3393E-03	-3.2050E-02	3.3383E-02	286.2
			9	4.7630E-03	-1.5086E-02	1.5820E-02	287.5
			10	2.2778E-02	-1.0558E-02	2.5106E-02	335.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 LEADLAG	9	1.129E+02	1	4.4426E-01	-4.2341E-02	4.4628E-01	354.6
			2	-5.3781E-02	6.4828E-02	8.4232E-02	129.7
			3	-2.6305E-02	5.9627E-02	6.5172E-02	113.8
			4	3.8523E-02	-2.0453E-02	4.3616E-02	332.0
			5	3.9890E-02	-2.5552E-02	4.7373E-02	327.4
			6	1.8955E-02	-1.9699E-03	1.9057E-02	354.1
			7	7.3911E-04	2.6984E-02	2.6991E-02	271.6
			8	-8.2785E-03	-3.8691E-02	3.9567E-02	257.9
			9	-1.2922E-04	-4.2247E-02	4.2247E-02	269.8
			10	1.1116E-02	6.4656E-03	1.2860E-02	30.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 FLAPANG	4	4.986E+00	1	2.6192E-01	-7.2261E-01	7.6861E-01	289.9
			2	4.3770E-02	-2.6756E-01	2.7111E-01	279.3
			3	-1.3698E-01	2.5515E-02	1.3933E-01	169.4
			4	2.2881E-02	1.9003E-02	2.9743E-02	39.7
			5	-3.2342E-02	2.3708E-02	4.0101E-02	143.8
			6	1.5770E-02	-1.4001E-02	2.1089E-02	318.4
			7	2.1368E-02	1.6063E-03	2.1429E-02	4.3
			8	-1.2895E-02	6.0543E-03	1.4246E-02	154.9
			9	-6.3023E-04	8.9070E-03	8.9293E-03	94.0
			10	-4.6061E-03	3.9429E-03	6.9626E-03	139.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 FLAPANG	5	6.943E+00	1	-6.5051E-01	-7.3039E-01	9.7807E-01	228.3
			2	5.6219E-02	-3.0035E-01	3.0556E-01	280.6
			3	-1.8355E-01	6.2330E-02	1.9385E-01	161.2
			4	1.4370E-02	2.4450E-02	2.8360E-02	59.6
			5	-4.9772E-02	2.4238E-02	5.5360E-02	154.0
			6	4.4862E-02	-3.2799E-02	5.5573E-02	323.8
			7	2.9369E-02	9.9830E-03	3.1019E-02	18.8
			8	-1.2363E-02	8.2592E-03	1.4868E-02	146.3
			9	-3.3157E-03	1.3592E-03	3.5835E-03	157.7
			10	-7.5847E-03	4.3930E-03	8.7651E-03	149.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 FLAPANG	6	7.974E+00	1	-4.9215E-01	1.8071E-01	5.2428E-01	159.8
			2	6.6753E-02	-3.1244E-01	3.1949E-01	282.1
			3	-2.1975E-01	2.8098E-02	2.2154E-01	172.7
			4	2.9827E-03	4.3775E-02	4.3876E-02	86.1
			5	-6.0933E-02	1.1631E-02	6.2033E-02	169.2
			6	7.1039E-02	-2.5638E-02	7.5524E-02	340.2
			7	2.5608E-02	8.0628E-03	2.6847E-02	17.5
			8	-2.2292E-02	-1.0453E-03	2.2316E-02	182.7
			9	-1.1544E-02	1.4164E-03	1.1630E-02	173.0
			10	-8.7834E-03	8.1692E-03	1.1995E-02	137.1

TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 FLAPANG	7	7.293E+00	1	-2.5162E-01	9.1602E-02	2.6778E-01	160.0
			2	5.8874E-02	-3.1939E-01	3.1593E-01	280.7
			3	-2.7369E-01	3.4256E-02	2.7583E-01	172.9
			4	-5.0995E-03	4.7260E-02	4.7534E-02	96.2
			5	-5.8725E-02	1.9682E-02	6.1935E-02	161.5
			6	4.3549E-02	-2.7403E-02	5.1453E-02	327.8
			7	2.1056E-02	3.1894E-03	2.1297E-02	8.6
			8	-1.9530E-02	-1.8144E-03	1.9614E-02	185.3
			9	-1.2164E-02	7.4747E-03	1.4277E-02	148.4
			10	-9.9301E-03	5.0769E-03	1.1153E-02	152.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 FLAPANG	8	7.559E+00	1	-6.4827E-01	-1.7183E-01	6.7066E-01	194.8
			2	7.5241E-02	-3.6962E-01	3.7720E-01	281.5
			3	-2.6498E-01	8.9985E-02	2.7984E-01	161.2
			4	1.3908E-03	8.9409E-02	8.9420E-02	89.1
			5	-2.4083E-02	6.4865E-02	6.9191E-02	116.4
			6	1.1087E-02	-7.1366E-03	1.3185E-02	327.2
			7	1.6305E-02	2.9018E-04	1.6308E-02	1.5
			8	-1.2811E-02	-1.2947E-03	1.2876E-02	185.8
			9	1.3045E-02	1.9968E-02	2.3851E-02	123.2
			10	-9.5675E-03	1.2625E-03	9.6504E-03	172.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 FLAPANG	9	2.078E+00	1	-3.1896E-01	4.1256E-01	5.2148E-01	127.7
			2	1.2711E-01	-3.7456E-01	3.9554E-01	288.7
			3	-2.3376E-01	1.1028E-01	2.5847E-01	154.7
			4	-4.6691E-03	9.6266E-02	9.6379E-02	92.8
			5	8.5578E-04	6.7107E-02	6.7112E-02	89.3
			6	2.3477E-02	-5.6720E-03	2.4152E-02	346.4
			7	2.2647E-02	1.4927E-02	2.7124E-02	33.4
			8	4.3368E-03	4.1344E-03	5.9918E-03	43.6
			9	6.1741E-03	1.3673E-02	1.5002E-02	65.7
			10	-5.9317E-04	3.1924E-03	3.2471E-03	100.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 PTCHLINK	4	6.392E+01	1	-5.6997E+01	2.3535E+01	6.1665E+01	157.6
			2	2.8967E+01	-6.2437E+01	6.8829E+01	294.0
			3	-2.8602E+01	3.3949E+01	4.4385E+01	130.1
			4	-5.4448E+00	5.0479E+01	5.0767E+01	96.1
			5	-3.0540E+00	-2.4831E+01	2.5018E+01	263.0
			6	3.6727E+00	1.5113E+01	1.5553E+01	76.3
			7	-1.4721E+01	-7.1230E+00	1.5354E+01	265.8
			8	-2.9835E+01	2.1036E+01	3.6505E+01	144.8
			9	2.8621E+01	-4.4820E+00	2.8970E+01	351.1
			10	-1.7741E+01	3.8253E+00	1.8148E+01	167.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 PTCHLINK	5	4.201E+01	1	-3.3278E+01	3.0424E+01	4.5089E+01	137.6
			2	4.7173E+01	-3.7596E+01	6.0322E+01	321.4
			3	-2.3821E+01	3.2634E+01	4.0403E+01	126.1
			4	2.5887E+00	3.7652E+01	3.7741E+01	86.1
			5	-1.4889E+01	-1.1779E+01	1.8985E+01	218.3
			6	-1.1789E+00	3.1682E+01	3.1704E+01	92.1
			7	-1.8850E+01	-1.9563E+01	2.7167E+01	226.1
			8	-1.9937E+01	2.2955E+01	3.0404E+01	131.0
			9	-1.4120E+00	-2.1340E+01	2.1387E+01	266.2
			10	-1.6243E+01	2.1442E+01	2.6900E+01	127.1

TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 PTCHLINK	6	7.002E+01	1	-3.1906E+01	2.4332E+01	4.0125E+01	142.7
			2	4.4798E+01	-5.7352E+01	7.2774E+01	308.3
			3	-1.7852E+01	6.2496E+01	6.4994E+01	105.9
			4	-1.0659E+00	4.1075E+01	4.1088E+01	91.5
			5	3.3705E+00	-2.0189E+01	2.4468E+01	279.5
			6	-1.1465E+01	2.3228E+01	2.5903E+01	116.3
			7	-1.5363E+01	-8.1905E+00	1.7410E+01	208.1
			8	-3.9245E+01	2.6027E+01	4.7091E+01	146.4
			9	2.5569E+01	-5.0147E+00	2.6056E+01	348.9
			10	-1.9182E+01	2.7948E+01	3.3897E+01	124.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 PTCHLINK	7	9.027E+01	1	-2.5358E+01	7.5096E+00	2.6446E+01	163.5
			2	3.7479E+01	-9.8173E+01	1.0508E+02	290.9
			3	-3.2748E+01	7.7966E+01	8.4519E+01	112.8
			4	-9.1271E+00	1.9929E+01	2.1920E+01	114.6
			5	1.7242E+01	5.6221E+00	1.8135E+01	18.1
			6	-2.5749E+01	1.3566E+01	2.9104E+01	152.2
			7	-6.5374E+00	9.6155E-02	6.5381E+00	179.2
			8	-3.1159E+01	4.0466E+01	5.1072E+01	127.6
			9	3.4656E+01	-1.2299E+01	3.6771E+01	340.5
			10	-3.5796E+00	1.6678E+01	1.7058E+01	102.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 PTCHLINK	8	5.962E+00	1	-1.2566E+01	2.9992E+01	3.2516E+01	112.7
			2	2.1742E+01	-6.2781E+01	6.6439E+01	289.1
			3	-2.9401E+01	4.9927E+01	5.7940E+01	120.5
			4	-2.0723E+01	2.2764E+01	3.0784E+01	132.3
			5	8.6619E+00	2.3222E+01	2.4783E+01	69.5
			6	-7.1867E-01	3.5436E+00	3.6158E+00	101.5
			7	-3.0590E+00	-6.6334E+00	7.3048E+00	245.2
			8	-3.1750E+01	1.3265E+01	3.4410E+01	157.3
			9	3.0300E+01	-1.0561E+01	3.2088E+01	340.8
			10	-1.4588E+01	1.6956E+01	2.2367E+01	130.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 PTCHLINK	9	3.106E+01	1	-2.4797E+01	6.6276E+01	7.0763E+01	110.5
			2	3.9155E+01	-8.3378E+01	9.2114E+01	295.2
			3	-4.7042E+01	6.0323E+01	7.6497E+01	127.9
			4	-3.6862E+01	5.5195E+01	6.6373E+01	123.7
			5	1.2298E+00	1.5619E+01	1.5667E+01	85.5
			6	-1.7579E-01	2.1444E+01	2.1444E+01	90.5
			7	-3.1944E+01	-2.6567E+01	4.1547E+01	219.7
			8	-4.5939E+01	2.2185E+01	5.1416E+01	154.2
			9	2.9309E+01	-1.2830E+01	3.1994E+01	336.4
			10	-2.2981E+00	1.9524E+01	1.9659E+01	96.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004CB18	4	-2.260E+03	1	-1.0108E+02	-7.2948E+01	1.2465E+02	215.8
			2	2.2259E+01	-7.8972E+01	8.2049E+01	285.7
			3	-2.1855E+01	1.8774E+01	2.8812E+01	139.3
			4	1.3698E+02	2.6793E+02	3.0091E+02	62.9
			5	-5.9023E+01	5.7506E+01	8.2406E+01	135.7
			6	2.2586E+01	1.1798E+01	2.5482E+01	27.6
			7	-1.8932E+00	6.8099E+00	7.0682E+00	105.5
			8	1.1039E+01	-1.2235E+01	1.6479E+01	312.1
			9	3.4223E+01	7.4716E+00	7.4794E+00	87.4
			10	1.1439E+01	3.0513E+00	3.0535E+00	87.9

TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004CB18	5	-2.262E+03	1	-1.1796E+02	-6.4571E+01	1.3448E+02	208.7
			2	3.1347E+01	-6.2427E+01	6.9856E+01	296.7
			3	-2.9295E+00	3.7878E+01	3.7991E+01	94.4
			4	1.4196E+02	3.3145E+02	3.6057E+02	66.8
			5	-5.9318E+01	1.9729E+01	6.2510E+01	161.6
			6	2.1797E+01	7.4402E+00	2.3032E+01	18.8
			7	3.3000E+00	6.0967E+00	6.9330E+00	61.6
			8	2.5139E+01	-2.1057E+01	3.2793E+01	320.4
			9	1.7480E+00	4.2651E+00	4.6094E+00	67.7
			10	-1.1435E+00	3.5169E+00	3.6981E+00	108.0
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004CB18	6	-2.252E+03	1	-1.3421E+02	-9.6098E+01	1.6507E+02	215.6
			2	4.6918E+01	-6.8328E+01	8.2885E+01	304.5
			3	-1.1580E+01	2.6565E+01	2.8979E+01	113.6
			4	1.4958E+02	4.1095E+02	4.3733E+02	70.0
			5	-6.6685E+01	1.4001E+01	6.8138E+01	168.1
			6	2.8119E+01	1.2479E+01	3.0763E+01	23.9
			7	-2.1249E+00	8.5598E+00	8.8189E+00	103.9
			8	2.8734E+01	-2.8216E+01	4.0271E+01	315.5
			9	8.6998E+00	8.4147E+00	1.2103E+01	44.0
			10	-3.2825E-01	6.4715E+00	6.4798E+00	92.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004CB18	7	-2.236E+03	1	-1.7557E+02	-9.8582E+01	2.2136E+02	209.3
			2	5.5266E+01	-7.5274E+01	9.3384E+01	306.3
			3	-3.0921E+01	3.0641E+01	4.3532E+01	135.3
			4	1.5162E+02	4.3359E+02	4.5925E+02	70.7
			5	-6.6970E+01	-1.6837E+01	6.9003E+01	194.1
			6	2.8640E+01	8.9633E+00	3.0011E+01	17.4
			7	-3.5431E+00	1.2513E+01	1.3005E+01	105.8
			8	2.2696E+01	-2.8204E+01	3.0386E+01	318.3
			9	4.5528E+00	4.3649E+00	6.3071E+00	43.8
			10	-8.4002E-01	2.8942E+00	3.0137E+00	106.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004CB18	8	-2.282E+03	1	-2.1080E+02	-1.0810E+02	2.3691E+02	207.1
			2	6.8106E+01	-6.1516E+01	9.1775E+01	317.9
			3	-3.5877E+01	4.9202E+01	6.0894E+01	126.1
			4	1.3197E+02	4.5071E+02	4.6963E+02	73.7
			5	1.6733E+01	-1.6548E+01	2.3533E+01	315.3
			6	3.1350E+01	6.1949E+00	3.2403E+01	14.6
			7	1.2296E+00	1.2270E+01	1.2331E+01	84.3
			8	2.6932E+01	-8.3261E+00	2.8189E+01	342.8
			9	-4.3651E+00	3.2156E+00	5.4217E+00	143.6
			10	-9.8329E+00	-2.1807E+00	1.0072E+01	192.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004CB18	9	-2.294E+03	1	-2.1725E+02	-1.4335E+02	2.6029E+02	213.4
			2	9.8572E+01	-7.1518E+01	1.2178E+02	324.0
			3	-3.0796E+01	5.1032E+01	5.9605E+01	121.1
			4	7.0879E+01	4.8645E+02	4.9159E+02	81.7
			5	3.6043E+01	-4.7562E+01	5.9676E+01	307.2
			6	3.3466E+01	1.7449E+01	3.7742E+01	27.5
			7	4.0004E+00	1.5481E+01	1.5900E+01	75.5
			8	2.1726E+01	5.1962E+00	2.2318E+01	13.2
			9	-5.0363E+00	-2.1850E+01	6.0492E+00	182.1
			10	-2.7579E+00	8.6809E+00	9.1085E+00	107.6

TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004CB53	4	-6.567E+02	1	-6.1498E+01	-4.7239E+01	7.7547E+01	217.5
			2	1.3454E+01	-4.1122E+01	4.3267E+01	288.1
			3	-1.4805E+01	1.5476E+01	2.1417E+01	133.7
			4	1.9111E+02	3.3565E+02	3.8625E+02	60.3
			5	-1.0558E+02	1.3351E+02	1.7021E+02	128.3
			6	3.3429E+01	-2.5416E+01	4.1993E+01	322.8
			7	-8.9899E+00	-1.2419E+00	9.0752E+00	187.9
			8	-2.4618E+01	2.1712E+01	3.2825E+01	138.6
			9	2.9131E-02	-1.0197E+01	1.0197E+01	270.2
			10	-1.8646E+00	-2.3647E+00	3.0114E+00	231.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004CB53	5	-6.558E+02	1	-7.1245E+01	-4.1561E+01	8.2482E+01	210.3
			2	2.0017E+01	-2.8268E+01	3.4638E+01	305.3
			3	4.2222E+00	2.5021E+01	2.5375E+01	80.4
			4	1.9991E+02	4.1832E+02	4.6364E+02	64.5
			5	-1.0795E+02	3.2817E+01	1.1283E+02	163.1
			6	3.0065E+00	-2.4278E+01	2.4463E+01	277.1
			7	-1.3915E+01	-4.5534E+00	1.4641E+01	198.1
			8	-4.1792E+01	3.5625E+01	5.4913E+01	139.6
			9	1.2277E+00	-8.6512E+00	8.7379E+00	278.1
			10	1.9068E+00	-3.1947E+00	3.7205E+00	300.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004CB53	6	-6.565E+02	1	-8.3516E+01	-5.4598E+01	9.9779E+01	213.2
			2	2.4649E+01	-3.0491E+01	3.9208E+01	309.6
			3	-1.6634E+00	1.2518E+01	1.2628E+01	97.6
			4	2.2141E+02	5.2099E+02	5.6608E+02	67.0
			5	-1.2152E+02	9.0741E+01	1.2152E+02	179.6
			6	3.0654E+01	-2.6433E+01	4.7657E+01	326.3
			7	-9.7085E+00	6.0047E+00	1.1415E+01	148.3
			8	-5.0973E+01	4.9949E+01	7.1367E+01	135.6
			9	-9.5719E+00	-1.3359E+01	1.6434E+01	234.4
			10	-1.7984E+00	-6.1713E+00	6.4280E+00	253.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004CB53	7	-6.544E+02	1	-1.0386E+02	-5.2794E+01	1.1650E+02	206.9
			2	2.6460E+01	-3.0309E+01	4.0234E+01	311.1
			3	-5.8543E+00	1.3391E+01	1.4614E+01	113.6
			4	2.3898E+02	5.5467E+02	6.0396E+02	66.7
			5	-1.2406E+02	-7.9984E+01	1.4812E+02	212.7
			6	3.7154E+01	-6.0699E+01	7.1168E+01	341.5
			7	-3.4232E+00	1.3268E+00	3.6713E+00	158.8
			8	-3.8921E+01	3.7327E+01	5.3927E+01	136.2
			9	-3.0192E+00	-7.2235E+00	7.8291E+00	247.3
			10	3.1119E-01	-3.3178E+00	3.3324E+00	275.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004CB53	8	-6.703E+02	1	-1.2250E+02	-5.1493E+01	1.3289E+02	202.8
			2	3.0197E+01	-1.7261E+01	3.4783E+01	330.2
			3	2.2184E+01	2.0939E+01	2.1056E+01	84.4
			4	2.2185E+02	5.7294E+02	6.1439E+02	68.8
			5	-9.6809E+01	-8.4603E+01	1.2857E+02	318.8
			6	2.6810E+01	-9.3569E+01	9.7334E+01	286.0
			7	-1.1017E+01	-1.0412E+01	1.5159E+01	223.4
			8	-4.3595E+01	1.9636E+01	4.7814E+01	155.8
			9	5.9641E+00	-6.4988E+00	8.8207E+00	312.5
			10	8.6509E+00	9.6316E-01	8.7044E+00	6.4

TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004CB53	9	-6.756E+02	1	-1.2780E+02	-6.3082E+01	1.4253E+02	206.3
			2	4.2136E+01	-1.8711E+01	4.6104E+01	336.1
			3	5.7385E+00	1.7698E+01	1.8605E+01	72.0
			4	1.4094E+02	6.2805E+02	6.4366E+02	77.4
			5	1.3691E+02	-1.6029E+02	2.1080E+02	310.5
			6	3.6475E+01	-6.4200E+01	7.0388E+01	301.2
			7	-2.8088E+01	2.3254E+01	3.6465E+01	219.6
			8	-3.2694E+01	-3.2029E+00	3.2850E+01	185.6
			9	6.7065E+00	-1.9065E+00	6.9722E+00	344.1
			10	1.6976E+00	-9.0904E+00	9.2475E+00	280.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB13	4	1.921E+02	1	1.4116E+02	-8.7896E+01	1.6629E+02	328.1
			2	5.0621E+00	1.9047E+01	1.9708E+01	75.1
			3	-8.0398E-01	-1.7126E+01	1.7145E+01	267.3
			4	2.0567E+01	-2.4293E+01	2.8893E+01	315.4
			5	5.3089E+01	-1.9723E+01	5.6634E+01	339.6
			6	-3.2755E+01	-2.2932E+01	3.9985E+01	215.0
			7	1.0829E+01	-1.6409E+01	1.9655E+01	303.4
			8	1.9156E+01	5.8373E+00	2.0026E+01	16.9
			9	3.7178E+00	-4.4926E+01	4.5079E+01	274.7
			10	1.6386E+01	-6.2658E+00	1.7544E+01	339.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB13	5	1.680E+02	1	1.3161E+02	-1.0412E+02	1.6782E+02	321.7
			2	8.9051E+00	2.2016E+01	2.3749E+01	68.0
			3	-3.1466E+00	-2.7585E+01	2.7764E+01	263.5
			4	3.5241E+01	-2.0209E+01	4.0624E+01	330.2
			5	5.7133E+01	-1.2589E+01	5.8504E+01	347.6
			6	-2.6223E+01	-2.1283E+01	3.3773E+01	219.1
			7	6.8701E+00	-2.1157E+01	2.2245E+01	288.0
			8	1.8558E+01	-1.1293E+01	2.1724E+01	328.7
			9	2.0363E+00	-5.0741E+01	5.0782E+01	272.3
			10	1.6116E+01	-1.1897E+01	2.0031E+01	323.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB13	6	1.598E+02	1	1.3483E+02	-8.2830E+01	1.5824E+02	328.4
			2	7.2530E+00	1.9300E+01	2.0618E+01	69.4
			3	-1.8891E+00	-2.8957E+01	2.9018E+01	266.3
			4	4.4259E+01	-1.1819E+01	4.5810E+01	345.0
			5	6.7200E+01	-5.8728E+00	6.7457E+01	355.9
			6	-2.6418E+01	-1.8450E+01	3.2223E+01	214.9
			7	7.9096E+00	-1.8812E+01	2.0407E+01	292.8
			8	1.7379E+01	-1.0378E+01	2.0242E+01	329.2
			9	1.8113E+01	-6.0851E+01	6.3490E+01	286.6
			10	2.0700E+01	-1.3618E+01	2.4778E+01	326.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB13	7	1.537E+02	1	1.4570E+02	-7.5838E+01	1.6426E+02	332.5
			2	-4.6147E+00	1.3957E+01	1.4700E+01	108.3
			3	1.6987E+01	-4.2398E+01	4.5674E+01	291.8
			4	5.6842E+01	6.4273E+01	5.6845E+01	0.6
			5	6.6943E+01	7.9456E+00	6.7413E+01	6.8
			6	-2.0817E+01	-1.0508E+01	2.3319E+01	206.8
			7	1.2487E+01	-1.7465E+01	2.1470E+01	305.6
			8	1.5437E+01	-1.3089E+01	2.0239E+01	319.7
			9	3.5580E+01	-5.5792E+01	5.6172E+01	302.5
			10	2.6814E+01	-1.0594E+01	2.8831E+01	338.4

TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB13	8	1.236E+02	1	1.5352E+02	-7.1505E+01	1.6936E+02	335.0
			2	-2.0142E+01	2.0138E+01	2.8482E+01	135.0
			3	1.7931E+01	-5.7481E+01	6.0213E+01	287.3
			4	5.5898E+01	-3.6784E+00	5.6019E+01	356.2
			5	3.8349E+01	9.2045E+00	3.9438E+01	13.5
			6	-1.6325E+01	5.0623E+00	1.7092E+01	162.8
			7	1.1784E+01	-1.0406E+01	1.5721E+01	318.6
			8	8.6294E+00	-1.9330E+01	2.1169E+01	294.1
			9	4.8547E+01	-3.6676E+01	6.0843E+01	322.9
			10	2.4140E+01	-5.5655E+00	2.4774E+01	347.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB13	9	1.175E+02	1	1.5389E+02	-6.1248E+01	1.6563E+02	338.3
			2	-1.5403E+01	1.2071E+01	1.9569E+01	141.9
			3	1.2597E+01	-6.3983E+01	6.5211E+01	281.1
			4	5.1760E+01	2.2044E+00	5.1816E+01	2.4
			5	2.8648E+01	1.8287E+01	3.3988E+01	32.6
			6	-1.9504E+01	-3.1154E+01	1.9506E+01	180.9
			7	1.0293E+01	-1.0832E+01	1.4942E+01	313.5
			8	4.1759E+00	-1.8647E+01	1.9108E+01	282.6
			9	4.9596E+01	-4.0926E+01	6.4302E+01	320.5
			10	2.4743E+01	-6.0999E+00	2.5484E+01	346.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB18	4	-6.383E+01	1	1.4556E+02	-1.2420E+02	1.9135E+02	319.5
			2	-1.3266E+01	5.4569E+01	5.4570E+01	90.1
			3	-1.3272E+01	-1.6045E+01	2.0823E+01	230.4
			4	1.4556E+01	-2.4946E+01	2.8887E+01	300.3
			5	4.7075E+01	-1.3242E+01	4.8902E+01	344.3
			6	-3.2611E+01	-2.0972E+01	3.8772E+01	212.7
			7	2.7389E+00	-1.5272E+01	1.5516E+01	280.2
			8	1.0976E+01	5.2274E+00	1.1352E+01	27.4
			9	-8.7685E+01	-3.5799E+01	3.5810E+01	268.6
			10	7.9194E+00	-5.8681E+00	9.8566E+00	323.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB18	5	-8.784E+01	1	1.4280E+02	-1.3808E+02	1.9864E+02	316.0
			2	-1.7652E+00	5.3944E+01	5.3973E+01	91.9
			3	-1.6612E+01	-3.5982E+01	3.9631E+01	245.2
			4	2.9252E+01	-2.7351E+01	4.0047E+01	316.9
			5	4.9162E+01	-1.3188E+01	5.0900E+01	345.0
			6	-3.0530E+01	-1.9380E+01	3.6161E+01	212.4
			7	-2.2858E+00	-2.1052E+01	2.1175E+01	263.8
			8	7.7853E+00	-9.4535E+00	1.2247E+01	309.5
			9	-1.5147E+00	-4.0585E+01	4.0614E+01	267.9
			10	8.2233E+00	-1.0206E+01	1.3106E+01	308.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB18	6	-9.776E+01	1	1.4889E+02	-1.2835E+02	1.9658E+02	319.2
			2	-4.7749E+00	5.0572E+01	5.0796E+01	95.4
			3	-1.5038E+01	-4.1771E+01	4.4395E+01	250.2
			4	3.9532E+01	-2.2981E+01	4.5727E+01	329.8
			5	5.8704E+01	-1.0688E+01	5.9669E+01	349.7
			6	-3.0985E+01	-2.0449E+01	3.7124E+01	213.4
			7	4.6015E+01	-2.3143E+01	2.3147E+01	271.1
			8	7.3087E+00	-1.1189E+01	1.3364E+01	303.2
			9	1.3768E+01	-4.9328E+01	5.1213E+01	285.6
			10	1.3337E+01	-1.3504E+01	1.8979E+01	314.6

TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB18	7	-1.093E+02	1	1.6201E+02	-1.2834E+02	2.0669E+02	321.6
			2	-1.4908E+01	4.8146E+01	5.0401E+01	107.2
			3	5.3462E+00	-5.3379E+01	5.3646E+01	275.7
			4	5.2557E+01	-1.1730E+01	5.3850E+01	347.4
			5	5.8628E+01	-2.9982E+00	5.8705E+01	357.1
			6	-2.6069E+01	-1.5906E+01	3.4553E+01	211.4
			7	4.0383E+00	-2.4365E+01	2.4698E+01	279.4
			8	6.3963E+00	-1.4716E+01	1.6046E+01	293.5
			9	2.7193E+01	-4.7941E+01	5.5117E+01	299.6
			10	1.7782E+01	-1.2983E+01	2.2017E+01	323.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB18	8	-1.350E+02	1	1.7257E+02	-1.2994E+02	2.1602E+02	323.0
			2	-2.8917E+01	5.1365E+01	5.8942E+01	119.4
			3	1.4504E+01	-7.4427E+01	7.5827E+01	281.0
			4	5.7557E+01	-1.0351E+01	5.8481E+01	349.8
			5	4.7357E+01	-1.9363E+00	4.7397E+01	357.7
			6	-2.1501E+01	-8.7622E+00	2.3218E+01	202.2
			7	3.0477E+00	-2.0297E+01	2.0525E+01	278.5
			8	2.1240E+00	-2.1628E+01	2.1732E+01	275.6
			9	3.8628E+01	-3.2796E+01	5.0672E+01	319.7
			10	1.7079E+01	-8.4830E+00	1.9070E+01	333.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB18	9	-1.446E+02	1	1.7423E+02	-1.2223E+02	2.1283E+02	325.0
			2	-2.7413E+01	4.5673E+01	5.3268E+01	121.0
			3	9.4011E+00	-7.9969E+01	8.0519E+01	276.7
			4	5.5222E+01	-4.7088E+00	5.5423E+01	355.1
			5	4.0314E+01	2.4533E+00	4.0388E+01	3.5
			6	-2.1973E+01	-1.6324E+01	2.7373E+01	216.5
			7	1.9179E+00	-2.1593E+01	2.1678E+01	275.1
			8	-2.4192E+00	-2.1339E+01	2.1476E+01	263.5
			9	3.7324E+01	-3.6800E+01	5.2415E+01	315.4
			10	1.6954E+01	-9.3088E+00	1.9341E+01	331.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB53	4	9.493E+01	1	6.7056E+01	-6.8485E+01	9.5847E+01	314.4
			2	-5.2977E+00	1.8455E+01	1.9200E+01	106.0
			3	3.7511E+00	3.8178E+00	5.3522E+00	45.5
			4	-1.3637E+01	1.8368E+00	1.3760E+01	172.3
			5	-9.2730E+00	8.0056E+01	9.3075E+00	175.1
			6	9.5680E+00	7.9400E+00	1.2433E+01	39.7
			7	-2.7500E+00	7.8339E+00	8.3017E+00	109.3
			8	-4.4921E+00	-1.7899E+00	4.7521E+00	202.1
			9	8.6419E-01	2.0758E+01	2.0776E+01	87.6
			10	-2.7910E+00	4.3725E+00	5.1874E+00	122.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB53	5	8.578E+01	1	7.3405E+01	-7.7603E+01	1.0682E+02	313.4
			2	-8.1726E+00	1.6581E+01	1.8486E+01	116.2
			3	1.6538E+00	-9.0724E+00	9.2219E+00	259.7
			4	-1.3414E+01	3.8742E+00	1.3962E+01	163.9
			5	-1.0164E+01	3.6775E+00	1.0889E+01	160.1
			6	8.0236E+00	8.3292E+00	1.1565E+01	46.1
			7	-1.7485E+00	1.1194E+01	1.1330E+01	98.9
			8	-3.1404E+00	6.9129E+00	7.5928E+00	114.4
			9	6.6313E+01	2.3933E+01	2.3942E+01	88.4
			10	-3.2427E+00	4.8725E+00	5.8529E+00	123.6

TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB53	6	8.273E+01	1	7.8312E+01	-7.9988E+01	1.1194E+02	314.4
			2	-8.5703E+00	1.3730E+01	1.6185E+01	122.0
			3	-3.9284E+00	-1.5890E+01	1.6368E+01	256.1
			4	-1.6168E+01	8.9060E+01	1.6193E+01	176.8
			5	-1.2335E+01	3.9744E+00	1.2960E+01	162.1
			6	7.7775E+00	7.7728E+00	1.0996E+01	45.0
			7	-2.3864E+00	1.1409E+01	1.1656E+01	101.8
			8	-2.9932E+00	7.9871E+00	8.5295E+00	110.5
			9	-8.6141E+00	2.9455E+01	3.0688E+01	106.3
			10	-6.1600E+00	6.9146E+00	9.2605E+00	131.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB53	7	7.827E+01	1	8.4792E+01	-8.7275E+01	1.216RE+02	314.2
			2	-1.3347E+01	1.2842E+01	1.8522E+01	136.1
			3	3.6967E+00	-2.3666E+01	2.3953E+01	278.9
			4	-2.0121E+01	2.0200E+01	2.0122E+01	179.4
			5	-1.2391E+01	3.8380E+00	1.2972E+01	162.8
			6	6.1859E+00	6.7836E+00	9.1806E+00	47.6
			7	-3.7073E+00	1.1558E+01	1.2138E+01	107.8
			8	-2.5247E+00	1.1086E+01	1.1370E+01	102.8
			9	-1.6912E+01	3.0372E+01	3.4763E+01	119.1
			10	-9.1539E+00	7.7422E+00	1.1997E+01	139.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB53	8	7.258E+01	1	9.2464E+01	-9.8983E+01	1.3545E+02	313.1
			2	-2.1495E+01	1.4300E+01	2.5817E+01	146.4
			3	8.0874E+00	-3.7695E+01	3.8465E+01	282.1
			4	-2.0812E+01	4.1677E+01	2.0816E+01	178.9
			5	-1.1595E+01	5.5238E+00	1.2844E+01	154.5
			6	5.0494E+00	4.7755E+00	6.9499E+00	43.4
			7	-3.0052E+00	9.1536E+00	9.6343E+00	108.2
			8	-4.2206E-02	1.6104E+01	1.6104E+01	90.2
			9	-2.4474E+01	2.3797E+01	3.4136E+01	135.8
			10	-1.1001E+01	5.3485E+00	1.2232E+01	154.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB53	9	7.283E+01	1	9.4287E+01	-1.0115E+02	1.3828E+02	313.9
			2	-1.9647E+01	1.2029E+01	2.3437E+01	148.5
			3	5.7558E+00	-3.8691E+01	3.9117E+01	278.5
			4	-2.0515E+01	-1.9987E+00	2.0612E+01	185.6
			5	-1.0879E+01	7.2569E+00	1.3077E+01	146.3
			6	5.3881E+00	6.5869E+00	8.5099E+00	56.7
			7	-1.5739E+00	1.0821E+01	1.0935E+01	98.3
			8	1.5511E+00	1.7987E+01	1.8053E+01	85.1
			9	-2.4761E+01	2.5784E+01	3.5748E+01	133.8
			10	-1.1675E+01	6.1351E+00	1.3189E+01	152.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB90	4	0.0000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	107.9
			2	0.0000E+00	0.0000E+00	0.0000E+00	319.2
			3	0.0000E+00	0.0000E+00	0.0000E+00	333.9
			4	0.0000E+00	0.0000E+00	0.0000E+00	172.2
			5	0.0000E+00	0.0000E+00	0.0000E+00	59.6
			6	0.0000E+00	0.0000E+00	0.0000E+00	240.0
			7	0.0000E+00	0.0000E+00	0.0000E+00	285.0
			8	0.0000E+00	0.0000E+00	0.0000E+00	333.1
			9	0.0000E+00	0.0000E+00	0.0000E+00	359.2
			10	0.0000E+00	0.0000E+00	0.0000E+00	166.3

TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB90	5	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	115.9
			2	0.0000E+00	0.0000E+00	0.0000E+00	306.6
			3	0.0000E+00	0.0000E+00	0.0000E+00	321.7
			4	0.0000E+00	0.0000E+00	0.0000E+00	74.2
			5	0.0000E+00	0.0000E+00	0.0000E+00	66.6
			6	0.0000E+00	0.0000E+00	0.0000E+00	294.9
			7	0.0000E+00	0.0000E+00	0.0000E+00	285.0
			8	0.0000E+00	0.0000E+00	0.0000E+00	118.7
			9	0.0000E+00	0.0000E+00	0.0000E+00	301.5
			10	0.0000E+00	0.0000E+00	0.0000E+00	79.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB90	6	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	107.4
			2	0.0000E+00	0.0000E+00	0.0000E+00	347.8
			3	0.0000E+00	0.0000E+00	0.0000E+00	308.7
			4	0.0000E+00	0.0000E+00	0.0000E+00	123.2
			5	0.0000E+00	0.0000E+00	0.0000E+00	51.7
			6	0.0000E+00	0.0000E+00	0.0000E+00	35.3
			7	0.0000E+00	0.0000E+00	0.0000E+00	359.5
			8	0.0000E+00	0.0000E+00	0.0000E+00	19.5
			9	0.0000E+00	0.0000E+00	0.0000E+00	345.3
			10	0.0000E+00	0.0000E+00	0.0000E+00	359.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB90	7	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	114.1
			2	0.0000E+00	0.0000E+00	0.0000E+00	299.6
			3	0.0000E+00	0.0000E+00	0.0000E+00	14.3
			4	0.0000E+00	0.0000E+00	0.0000E+00	112.2
			5	0.0000E+00	0.0000E+00	0.0000E+00	88.6
			6	0.0000E+00	0.0000E+00	0.0000E+00	330.9
			7	0.0000E+00	0.0000E+00	0.0000E+00	338.7
			8	0.0000E+00	0.0000E+00	0.0000E+00	74.2
			9	0.0000E+00	0.0000E+00	0.0000E+00	11.1
			10	0.0000E+00	0.0000E+00	0.0000E+00	336.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB90	8	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	120.4
			2	0.0000E+00	0.0000E+00	0.0000E+00	332.4
			3	0.0000E+00	0.0000E+00	0.0000E+00	347.4
			4	0.0000E+00	0.0000E+00	0.0000E+00	105.3
			5	0.0000E+00	0.0000E+00	0.0000E+00	48.2
			6	0.0000E+00	0.0000E+00	0.0000E+00	28.8
			7	0.0000E+00	0.0000E+00	0.0000E+00	313.5
			8	0.0000E+00	0.0000E+00	0.0000E+00	114.8
			9	0.0000E+00	0.0000E+00	0.0000E+00	214.5
			10	0.0000E+00	0.0000E+00	0.0000E+00	328.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004FB90	9	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	116.3
			2	0.0000E+00	0.0000E+00	0.0000E+00	321.8
			3	0.0000E+00	0.0000E+00	0.0000E+00	134.5
			4	0.0000E+00	0.0000E+00	0.0000E+00	115.0
			5	0.0000E+00	0.0000E+00	0.0000E+00	58.4
			6	0.0000E+00	0.0000E+00	0.0000E+00	358.1
			7	0.0000E+00	0.0000E+00	0.0000E+00	25.6
			8	0.0000E+00	0.0000E+00	0.0000E+00	320.8
			9	0.0000E+00	0.0000E+00	0.0000E+00	9.9
			10	0.0000E+00	0.0000E+00	0.0000E+00	341.3

TABLE 7.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004TB13	4 -3.948E+01		1 3.7362E+01	-4.4682E+01	5.8245E+01	309.9	
			2 -1.1789E+01	6.2957E+00	1.3365E+01	151.9	
			3 -9.2066E+00	1.7483E+00	9.3711E+00	169.2	
			4 6.1341E+00	-1.0700E+00	6.2267E+00	350.1	
			5 5.7761E+00	-5.9710E+00	8.3076E+00	314.9	
			6 -7.2681E+00	-3.7800E+00	8.1923E+00	207.5	
			7 -5.3051E-01	-2.8944E+00	2.9427E+00	259.6	
			8 2.7805E+00	1.3447E-01	2.7838E+00	2.8	
			9 3.2115E-01	-4.1855E+00	4.1978E+00	274.4	
			10 -2.2997E-01	-1.5422E+00	1.5593E+00	261.5	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004TB13	5 -4.457E+01		1 3.7872E+01	-4.3824E+01	5.7921E+01	310.8	
			2 -1.1027E+01	5.3670E+00	1.2264E+01	154.9	
			3 -8.3929E+00	-1.9933E+00	8.5449E+00	193.5	
			4 9.2546E+00	-2.2899E+00	9.5337E+00	346.1	
			5 6.7436E+00	-8.2063E+00	1.0622E+01	309.4	
			6 -6.3427E+00	-4.1841E+00	7.5984E+00	213.4	
			7 -1.1766E+00	-4.2750E+00	4.4339E+00	254.6	
			8 2.2686E+00	-2.4914E+00	3.3696E+00	312.3	
			9 -2.3728E-01	-4.5086E+00	4.5148E+00	267.8	
			10 -7.5729E-01	-1.5458E+00	1.7213E+00	243.9	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004TB13	6 -5.865E+01		1 3.6475E+01	-4.3101E+01	5.6463E+01	310.2	
			2 -9.6825E+00	2.7781E+00	1.0073E+01	164.0	
			3 -7.4299E+00	-3.2414E+00	8.1062E+00	203.6	
			4 1.3416E+01	-7.7598E-01	1.3438E+01	356.7	
			5 8.6146E+00	-9.5881E+00	1.2890E+01	311.9	
			6 -5.4903E+00	-4.6677E+00	7.2463E+00	225.4	
			7 -1.1233E+00	-4.9277E+00	5.0541E+00	257.2	
			8 1.4177E+00	-3.3774E+00	3.6629E+00	292.8	
			9 2.5501E+00	-5.2090E+00	5.7997E+00	296.1	
			10 7.9889E-01	-2.0724E+00	2.2211E+00	291.1	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004TB13	7 -7.220E+01		1 3.5765E+01	-3.9964E+01	5.3631E+01	311.8	
			2 -1.0516E+01	5.7439E-01	1.0532E+01	176.9	
			3 -3.4190E+00	-2.4652E+00	4.2158E+00	215.8	
			4 1.7708E+01	2.6371E-01	1.7710E+01	9.9	
			5 9.6085E+00	-1.0636E+01	1.4333E+01	312.1	
			6 -3.0614E+00	-4.8643E+00	5.7475E+00	237.8	
			7 -6.6557E-01	-4.7724E+00	4.8186E+00	262.1	
			8 -6.3677E-03	-4.0092E+00	4.0093E+00	269.9	
			9 3.9946E+00	-5.9289E+00	7.1490E+00	304.0	
			10 2.2813E+00	-2.5214E+00	3.4003E+00	312.1	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004TB13	8 -9.840E+01		1 3.5358E+01	-3.6346E+01	5.0708E+01	314.2	
			2 -1.1455E+01	-1.7031E-01	1.1456E+01	180.9	
			3 9.0973E-01	-4.8736E+00	4.9572E+00	280.6	
			4 2.1124E+01	-2.1725E+02	2.1124E+01	359.9	
			5 1.2792E+01	-1.2797E+01	1.8094E+01	315.0	
			6 1.0502E+01	-3.7567E+00	3.7582E+00	271.6	
			7 -3.3536E-01	-2.7422E+00	2.7626E+00	263.0	
			8 -1.7751E+00	-4.2532E+00	4.6088E+00	247.3	
			9 3.8432E+00	-5.0061E+00	6.3112E+00	307.5	
			10 2.6877E+00	-2.1422E+00	3.4370E+00	321.4	

TABLE 7.- CONCLUDED

c) Concluded

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
61 004TB13	9	-1.091E+02	1	3.3584E+01	-3.7105E+01	5.0047E+01	312.1
			2	-9.5023E+00	-2.2200E+00	9.7582E+00	193.2
			3	-3.6015E-01	-4.7279E+00	4.7416E+00	265.6
			4	2.0842E+01	2.7166E+00	2.1019E+01	7.4
			5	1.2625E+01	-1.3696E+01	1.8627E+01	312.7
			6	5.6443E-01	-5.4388E+00	5.4622E+00	275.3
			7	-8.6050E-02	-3.5315E+00	3.5326E+00	268.6
			8	-2.9946E+00	-3.0821E+00	4.2974E+00	225.8
			9	3.1595E+00	-4.6294E+00	5.6048E+00	304.3
			10	2.6380E+00	-1.5581E+00	3.0638E+00	329.4

TABLE 8.- FIXED-TIP DATA FROM LIFT-COEFFICIENT - RUN 62 DATA

a) Block A data

SUMMARY LISTING  
RUN 62 WOZ 62 WT 58

## LOW SPEED CALCULATED DATA

RUN	TP	MU <sup>1</sup>	ALPHAS	RPM1	VTIP	M1(90)	M1(270)
62	2	3.0586E-01	-5.6434E+00	7.9600E+02	7.0161E+02	8.3372E-01	4.4317E-01
	3	3.0567E-01	-4.1385E+00	7.9600E+02	7.0161E+02	8.3312E-01	4.4303E-01
	4	3.0551E-01	-3.7460E+00	7.9600E+02	7.0161E+02	8.3276E-01	4.4300E-01
	5	0.0000E+00	-2.3470E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	VTUN	QTIJN	RHOTUN	CTB	CTR	CHB
62	2	2.1085E+02	5.2732E+01	2.3723E-03	4.1675E-03	4.1358E-03	1.5742E-04
	3	2.1072E+02	5.2615E+01	2.3700E-03	4.7753E-03	4.7454E-03	1.1463E-04
	4	2.1061E+02	5.2532E+01	2.3687E-03	5.7376E-03	5.7081E-03	1.3584E-04
	5	0.0000E+00	0.0000E+00	2.4284E-03	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CHR	CYB	CYR	CPB	CPR	CT'B
62	2	2.6930E-04	-8.3010E-05	-7.6500E-05	3.0544E-04	3.0984E-04	4.1628E-03
	3	2.2296E-04	-6.0180E-05	-5.3712E-05	3.0705E-04	3.1145E-04	4.7712E-03
	4	2.4308E-04	-1.6897E-04	-1.6252E-04	3.6912E-04	3.7352E-04	5.7342E-03
	5	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CT'R	CXB	CXR	CDEB	CDER	L/QD2B
62	2	4.1423E-03	2.5316E-04	1.3870E-04	7.4545E-04	8.7430E-04	6.9890E-02
	3	4.7491E-03	2.3030E-04	1.2000E-04	7.7420E-04	8.9881E-04	8.0203E-02
	4	5.7118E-03	2.3931E-04	1.3037E-04	9.6888E-04	1.0922E-03	9.6493E-02
	5	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	L/QD2B	X/QD2B	X/QD2R	P/QVD2B	P/QVD2R	DE/QD2B
62	2	6.9545E-02	4.2533E-03	2.3287E-03	1.6766E-02	1.7007E-02	1.2516E-02
	3	7.9832E-02	3.8713E-03	2.0187E-03	1.6885E-02	1.7128E-02	1.3014E-02
	4	9.6116E-02	4.0270E-03	2.1937E-03	2.0331E-02	2.0573E-02	1.6304E-02
	5	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	DE/QD2R	Y/QD2B	Y/QD2R	CPMB	CPMR	CRMB
62	2	1.4679E-02	-1.3937E-03	-1.2844E-03	-4.6397E-05	-4.6624E-05	-2.1823E-05
	3	1.5109E-02	-1.0116E-03	-9.9290E-04	-6.0156E-05	-6.0214E-05	-1.0524E-05
	4	1.8380E-02	-2.8434E-03	-2.7348E-03	-3.0386E-05	-3.0402E-05	-3.3755E-05
	5	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CRMR	ROTORHPB	ROTORHPR	TB	PMB	HR
62	2	-2.2685E-05	1.0126E+02	1.0272E+02	1.0831E+03	-1.0149E+02	4.0912E+01
	3	-8.9749E-07	1.0169E+02	1.0315E+02	1.2398E+03	-1.3146E+02	2.9762E+01
	4	-3.4646E-05	1.2219E+02	1.2364E+02	1.4889E+03	-6.6368E+01	3.5249E+01
	5	0.0000E+00	0.0000E+00	0.0000E+00	-1.8304E-01	1.1349E+00	-7.9667E-01
RUN	TP	SFB	RMB	QR	V SOUND	P TOTAL	P STATIC
62	2	-2.1573E+01	-4.7737E+01	6.6813E+02	1.0989E+03	2.0996E+03	2.0464E+03
	3	-1.5625E+01	-2.2998E+02	6.7100E+02	1.0996E+03	2.0998E+03	2.0467E+03
	4	-4.3847E+01	-7.3726E+01	8.0622E+02	1.0999E+03	2.1000E+03	2.0469E+03
	5	-1.7406E+00	5.9707E+00	-1.0130E+00	1.1009E+03	2.1025E+03	2.1025E+03
RUN	TP	TSTATIC	PRESSALT	DENSALT	RN.75	CT/SB	CT/SR
62	2	4.3010E+01	9.2527E+02	8.5547E+01	1.9274E+06	5.1642E-02	5.1249E-02
	3	4.3588E+01	9.2072E+02	1.1911E+02	1.9238E+06	5.9174E-02	5.8803E-02
	4	4.3898E+01	9.1822E+02	1.3697E+02	1.9218E+06	7.1097E-02	7.0732E-02
	5	4.4840E+01	1.8014E+02	-7.1503E+02	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CH/SB	CH/SR	CY/SB	CY/SR	CP/SB	CP/SR
62	2	1.9507E-03	3.3371E-03	-1.0286E-03	-9.4796E-04	3.7848E-03	3.8394E-03
	3	1.4204E-03	2.7628E-03	-7.4572E-04	-6.6558E-04	3.8048E-03	3.8594E-03
	4	1.6832E-03	3.0121E-03	-2.0938E-03	-2.0139E-03	4.5739E-03	4.6285E-03
	5	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

TABLE 8.- CONTINUED

a) Concluded

RUN	TP	CPP/SB	CT'/SR	CT'/SR	CX/SB	CX/SR	CDE/SB
62	2	2.4744E-03	5.1583E-02	5.1329E-02	3.1370E-03	1.7187E-03	9.2373E-03
	3	2.4712E-03	5.9122E-02	5.8849E-02	2.8538E-03	1.4881E-03	9.5935E-03
	4	3.0012E-03	7.1055E-02	7.0778E-02	2.9654E-03	1.6154E-03	1.2006E-02
	5	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CDE/SR	L/QD2SB	L/QD2SR	X/QD2SB	X/QD2SR	P/QVD2SR
62	2	1.0834E-02	8.6605E-01	8.6178E-01	5.2668E-02	2.8856E-02	2.0776E-01
	3	1.1138E-02	9.9384E-01	9.8924E-01	4.7971E-02	2.5015E-02	2.0924E-01
	4	1.3534E-02	1.1957E+00	1.1910E+00	4.9901E-02	2.7184E-02	2.5193E-01
	5	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	P/QVD2SR	DE/QD2SR	DE/QD2SR	Y/QD2SB	Y/QD2SR	LB
62	2	2.1075E-01	1.5509E-01	1.8189E-01	-1.7270E-02	-1.5916E-02	1.0819E+03
	3	2.1224E-01	1.6127E-01	1.8722E-01	-1.2536E-02	-1.1188E-02	1.2387E+03
	4	2.5494E-01	2.0203E-01	2.2775E-01	-3.5234E-02	-3.3889E-02	1.4880E+03
	5	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	-1.8636E-01
RUN	TP	LR	XR	XR	DEB	DER	TR
62	2	1.0765E+03	6.5793E+01	3.6847E+01	1.9373E+02	2.2722E+02	1.0749E+03
	3	1.2330E+03	5.9793E+01	3.1179E+01	2.0101E+02	2.3336E+02	1.2321E+03
	4	1.4822E+03	6.2099E+01	3.3829E+01	2.5142E+02	2.8343E+02	1.4812E+03
	5	-1.8630E-01	7.9592E-01	7.9592E-01	-7.9592E-01	-7.9592E-01	-1.8304E-01
RUN	TP	PMR	HR	SFR	RMR	QR	A1-CORR
62	2	-1.0199E+02	6.9989E+01	-1.9881E+01	-4.9624E+01	6.7776E+02	-2.2306E+00
	3	-1.3159E+02	5.7887E+01	-1.3945E+01	-1.9613E+00	6.8063E+02	-2.3169E+00
	4	-6.6404E+01	6.3078E+01	-4.2173E+01	-7.5673E+01	8.1583E+02	-3.3575E+00
	5	1.1349E+00	-7.9667E-01	-1.7406E+00	5.9707E+00	-1.0132E+00	3.1443E-01
RUN	TP	B1-CORR	THETA .75	A <sub>IC</sub>	B <sub>IS</sub>	TORQUE	X/LB
62	2	3.5438E+00	7.8859E+00	-1.2374E+00	4.0003E+00	6.7338E+02	6.0815E-02
	3	4.3407E+00	8.2869E+00	-1.1145E+00	4.7924E+00	6.7568E+02	4.8269E-02
	4	4.2835E+00	1.0042E+01	-2.1344E+00	5.0065E+00	8.1019E+02	4.1733E-02
	5	2.9519E-01	5.3556E+00	3.5682E-01	1.1681E-01	-4.7904E-01	-4.2722E+00
RUN	TP	X/LR	L/DEB	L/DER	ALPHAS	ALPHASC	
62	2	3.3485E-02	5.5843E+00	4.7378E+00	-5.6434E+00	-5.6434E+00	
	3	2.5287E-02	6.1627E+00	5.2838E+00	-4.1385E+00	-4.1385E+00	
	4	2.2824E-02	5.9183E+00	5.2295E+00	-3.7460E+00	-3.7460E+00	
	5	-4.2722E+00	2.3407E-01	2.3407E-01	-2.3473E-01	-2.3473E-01	

TABLE 8.- CONTINUED

## b) Block B data

RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 TORQUE	2	6.7448E+02	7.6013E+02	316.2	6.1431E+02	7.2909E+01
	3	5.7294E+02	7.7067E+02	315.4	6.0147E+02	8.4597E+01
	4	8.0650E+02	9.1131E+02	143.9	7.2200E+02	9.4657E+01
	5	0.0000E+00	9.5806E-01	91.9	-7.6645E-01	8.6226E-01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 002HANG	2	0.0000E+00	0.0000E+00	19.1	0.0000E+00	0.3000E+00
	3	0.0000E+00	0.0000E+00	111.8	0.0000E+00	0.0000E+00
	4	0.0000E+00	0.0000E+00	104.6	0.0000E+00	0.0000E+00
	5	0.0000E+00	0.0000E+00	223.7	0.0000E+00	0.0000E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 002CB18	2	1.0770E+03	1.4767E+03	183.8	7.1908E+02	3.7881E+02
	3	9.9318E+02	1.4214E+03	183.2	5.2641E+02	4.4750E+02
	4	1.0022E+03	1.3651E+03	111.7	5.1234E+02	4.2639E+02
	5	1.6084E+01	2.9152E+01	188.0	1.6754E+00	1.3738E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 002CB90	2	2.7396E+01	4.3753E+01	262.6	1.3170E+01	1.5292E+01
	3	4.0893E+01	5.7432E+01	233.1	2.3097E+01	1.7168E+01
	4	3.9636E+01	6.3899E+01	268.9	2.0638E+01	2.1630E+01
	5	-9.9990E+03	-9.9990E+03	-99.0	-9.9990E+03	-9.9990E+03
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 002CB53	2	0.0000E+00	0.0000E+00	269.7	0.0000E+00	0.0000E+00
	3	0.0000E+00	0.0000E+00	268.8	0.0000E+00	0.0000E+00
	4	0.0000E+00	0.0000E+00	25.9	0.0000E+00	0.0000E+00
	5	0.0000E+00	0.0000E+00	139.5	0.0000E+00	0.0000E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 002FB18	2	4.3069E+02	5.8704E+02	76.2	1.8684E+02	2.0011E+02
	3	4.2223E+02	6.0210E+02	83.0	1.4825E+02	2.2692E+02
	4	4.3530E+02	6.2152E+02	350.1	9.2612E+01	2.6445E+02
	5	-1.9792E+01	-1.8547E+01	108.8	-2.1137E+01	1.2448E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 002FB38	2	1.4076E+02	3.7100E+02	262.4	-2.2294E+02	2.9697E+02
	3	1.3634E+02	3.8098E+02	261.6	-2.6826E+02	3.2462E+02
	4	1.3231E+02	4.2419E+02	261.6	-3.2779E+02	3.7599E+02
	5	-1.1522E+00	0.0000E+00	343.7	-2.4964E+00	1.2482E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 002FB90	2	4.7345E+01	1.1402E+02	255.2	-3.3647E+01	7.3836E+01
	3	5.1307E+01	1.2878E+02	254.4	-3.4433E+01	8.1607E+01
	4	6.5757E+01	1.5010E+02	244.1	-2.3194E+01	8.6645E+01
	5	-1.9471E+00	1.0384E+01	73.1	-1.0692E+01	1.0538E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 LEADLAG	2	1.1443E+02	1.1502E+02	60.8	1.1389E+02	5.6329E-01
	3	1.1605E+02	1.1668E+02	31.5	1.1551E+02	5.8582E-01
	4	1.1492E+02	1.1542E+02	348.6	1.1438E+02	5.1823E-01
	5	9.3160E+01	9.5818E+01	258.2	8.7617E+01	4.1007E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 FLAPANG	2	6.8164E-01	1.9168E+00	169.2	-1.9806E-01	1.0574E+00
	3	-1.7081E+00	-8.9191E-01	175.7	-2.3420E+00	7.2507E-01
	4	-9.0617E-01	8.9916E-01	175.7	-2.5524E+00	1.7258E+00
	5	-2.4853E+01	-1.9911E+01	106.3	-2.1854E+01	9.7160E-01

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TABLE 8.- CONTINUED

b) Concluded

RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 PTCHLINK	2	1.9135E+01	2.3821E+02	126.1	-7.8481E+01	1.5835E+02
	3	-2.9118E+01	5.4909E+01	125.6	-9.2346E+01	7.3628E+01
	4	-2.0105E+01	3.3195E+02	125.6	-1.1453E+02	2.2324E+02
	5	-3.6051E+00	-2.7732E+00	29.7	-4.7144E+00	9.7061E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 004CB18	2	-2.3374E+03	-1.7967E+03	194.6	-3.0276E+03	6.1545E+02
	3	-2.3336E+03	-1.7276E+03	194.1	-3.0608E+03	6.6662E+02
	4	-2.2660E+03	-1.6496E+03	201.3	-3.0539E+03	7.0215E+02
	5	-1.4676E+01	-3.4760E+00	15.0	-2.5491E+01	1.1007E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 004CB53	2	-6.8810E+02	-7.8600E+00	194.5	-1.3261E+03	6.5913E+02
	3	-6.8553E+02	1.1517E+02	108.3	-1.4293E+03	7.7225E+02
	4	-6.6434E+02	1.3635E+02	115.5	-1.3550E+03	7.4568E+02
	5	-2.0675E+01	-1.7429E+01	106.9	-2.3580E+01	3.0757E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 004FB13	2	1.5689E+02	5.2698E+02	352.1	-1.7802E+02	3.5250E+02
	3	1.4955E+02	5.8442E+02	351.3	-1.4563E+02	3.6503E+02
	4	1.3349E+02	5.3305E+02	358.4	-1.6056E+02	3.4681E+02
	5	-3.1632E+00	6.3263E-01	219.3	-6.9589E+00	3.7958E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 004FB18	2	-9.4090E+01	2.2322E+02	352.1	-4.7167E+02	3.4745E+02
	3	-1.0512E+02	2.6610E+02	351.2	-4.6690E+02	3.6650E+02
	4	-1.2790E+02	2.5593E+02	358.4	-4.4962E+02	3.5277E+02
	5	3.6754E-01	3.7979E+00	329.0	-2.2052E+00	3.0016E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 004FB53	2	8.2151E+01	2.2806E+02	330.5	-8.4378E+01	1.5622E+02
	3	7.6212E+01	2.5198E+02	329.7	-1.0252E+02	1.7725E+02
	4	6.7882E+01	2.6419E+02	336.9	-1.0780E+02	1.8599E+02
	5	-3.2992E+01	1.4847E+00	346.9	-1.6496E+00	1.5671E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 004FB90	2	0.0000E+00	0.0000E+00	129.2	0.0000E+00	0.0000E+00
	3	0.0000E+00	0.0000E+00	100.3	0.0000E+00	0.0000E+00
	4	0.0000E+00	0.0000E+00	71.7	0.0000E+00	0.0000E+00
	5	0.0000E+00	0.0000E+00	293.6	0.0000E+00	0.0000E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 004TB13	2	-5.2946E+01	4.1715E+01	280.3	-1.4137E+02	9.1541E+01
	3	-6.3285E+01	3.3158E+01	279.6	-1.3798E+02	8.5569E+01
	4	-8.8065E+01	1.2301E+01	279.6	-1.6401E+02	8.8154E+01
	5	8.9134E-01	3.9219E+00	43.1	-2.3175E+00	3.1197E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
62 POT1	2	7.1113E-01	7.1251E-01	43.1	7.1020E-01	1.1522E-03
	3	7.5721E-01	7.5859E-01	50.2	7.5629E-01	1.1522E-03
	4	8.0975E-01	8.1113E-01	43.0	8.0883E-01	1.1522E-03
	5	4.7332E-01	4.7516E-01	48.5	4.7239E-01	1.3826E-03

TABLE 8.- CONTINUED

## c) Block C data

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 TORQUE	2	6.745E+02	1	1.1943E+00	1.9545E+02	2.2905E+00	58.6
			2	1.0567E+00	-3.0497E+00	3.2275E+00	289.1
			3	-5.5615E-01	1.2219E+00	1.3425E+00	114.5
			4	-6.9763E+01	-3.0244E+00	6.9829E+01	182.5
			5	-1.0979E+00	6.4905E-01	1.2754E+00	149.4
			6	1.8514E-01	1.6993E+00	1.7094E+01	83.8
			7	1.4206E-01	8.1273E-01	8.2535E-01	80.1
			8	1.0698E+01	1.1158E+00	1.0756E+01	6.8
			9	3.4945E-01	8.6220E-01	9.3041E-01	67.9
			10	-1.5317E-01	-6.8836E-02	1.6793E-01	204.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 TORMUE	3	6.729E+02	1	2.2645E+00	-2.3472E+00	3.2328E+00	314.5
			2	-2.6446E+00	-6.9853E+00	7.4692E+00	249.3
			3	-6.2805E-01	1.5939E+01	1.7132E+00	111.5
			4	-7.6762E+01	-1.6474E+01	7.7473E+01	187.8
			5	-1.4832E+00	1.5011E-01	1.4908E+00	174.2
			6	2.0294E-01	1.9145E+00	1.9253E+00	83.9
			7	-2.5666E-01	2.9857E-01	3.9372E-01	130.7
			8	8.5249E+00	4.4716E+00	9.6229E+00	27.7
			9	6.2341E-01	1.7472E+00	1.8551E+00	70.4
			10	-9.4217E-02	3.7460E-02	1.0124E-01	158.5
RUN FIRST 1/R	TP	STEADY	HN	COS	STN	RESULTANT	SCPHASE
62 TORQUE	4	8.065E+02	1	4.4608E+00	-5.6098E+00	7.1672E+00	308.5
			2	3.3982E+00	-1.0612E+01	1.1143E+01	287.8
			3	1.4158E+00	1.1849E+01	1.1924E+01	83.2
			4	-7.2081E+01	-3.3386E+01	7.9438E+01	204.9
			5	-2.5005E+00	-1.2411E+01	2.8724E+01	205.6
			6	-4.3646E+00	1.1678E+00	4.5182E+00	165.0
			7	-1.1003E+00	8.9950E-01	1.4212E+00	140.7
			8	4.6880E+00	8.8226E+00	9.9900E+00	62.0
			9	-3.2737E-01	5.8035E-01	6.6632E-01	119.4
			10	-5.4093E-01	-2.5006E-01	5.9593E-01	204.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002HANG	2	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	142.5
			2	0.0000E+00	0.0000E+00	0.0000E+00	343.3
			3	0.0000E+00	0.0000E+00	0.0000E+00	291.9
			4	0.0000E+00	0.0000E+00	0.0000E+00	45.8
			5	0.0000E+00	0.0000E+00	0.0000E+00	170.1
			6	0.0000E+00	0.0000E+00	0.0000E+00	86.6
			7	0.0000E+00	0.0000E+00	0.0000E+00	89.4
			8	0.0000E+00	0.0000E+00	0.0000E+00	289.9
			9	0.0000E+00	0.0000E+00	0.0000E+00	280.1
			10	0.0000E+00	0.0000E+00	0.0000E+00	153.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002HANG	3	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	152.7
			2	0.0000E+00	0.0000E+00	0.0000E+00	313.9
			3	0.0000E+00	0.0000E+00	0.0000E+00	208.0
			4	0.0000E+00	0.0000E+00	0.0000E+00	69.6
			5	0.0000E+00	0.0000E+00	0.0000E+00	205.0
			6	0.0000E+00	0.0000E+00	0.0000E+00	257.8
			7	0.0000E+00	0.0000E+00	0.0000E+00	186.0
			8	0.0000E+00	0.0000E+00	0.0000E+00	326.2
			9	0.0000E+00	0.0000E+00	0.0000E+00	231.5
			10	0.0000E+00	0.0000E+00	0.0000E+00	300.4

TABLE 8.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002HANG	4	9.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	96.3
			2	0.0000E+00	0.0000E+00	0.0000E+00	297.0
			3	0.0000E+00	0.0000E+00	0.0000E+00	150.3
			4	0.0000E+00	0.0000E+00	0.0000E+00	77.6
			5	0.0000E+00	0.0000E+00	0.0000E+00	108.2
			6	0.0000E+00	0.0000E+00	0.0000E+00	238.7
			7	0.0000E+00	0.0000E+00	0.0000E+00	287.6
			8	0.0000E+00	0.0000E+00	0.0000E+00	82.2
			9	0.0000E+00	0.0000E+00	0.0000E+00	64.2
			10	0.0000E+00	0.0000E+00	0.0000E+00	40.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002CB18	2	1.077E+03	1	-1.3099E+02	5.5549E+01	1.4229E+02	157.0
			2	3.6558E+01	-3.2268E+01	4.8762E+01	318.6
			3	-2.4890E+01	-7.8924E+00	2.6111E+01	197.6
			4	1.2147E+02	2.3175E+02	2.5165E+02	62.3
			5	-1.8508E+01	-8.5632E-02	1.8508E+01	180.3
			6	-5.1639E+01	6.4168E+00	8.2366E+00	128.8
			7	-8.8221E+00	-5.8192E-01	8.8413E+00	183.8
			8	2.9887E+01	-3.3006E+01	3.9066E+01	302.3
			9	2.7547E+00	-1.6021E+00	3.1867E+00	329.8
			10	3.6475E+00	-1.5562E+00	3.9656E+00	336.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002CB18	3	9.932E+02	1	-1.5648E+02	7.6971E+01	1.7439E+02	153.8
			2	3.6610E+01	-4.5123E+01	5.8107E+01	309.1
			3	-3.0923E+01	5.6420E+00	3.1434E+01	169.7
			4	1.2185E+02	2.6754E+02	2.9398E+02	65.5
			5	-1.5493E+01	1.1312E+01	1.9183E+01	143.9
			6	-4.5147E+01	4.9784E+00	4.9988E+00	95.2
			7	-9.7276E+00	-1.7274E+00	9.8797E+00	190.1
			8	2.6168E+01	-2.5523E+01	3.6554E+01	315.7
			9	4.4511E+00	-2.6180E+00	5.1640E+00	329.5
			10	1.9763E+00	-2.2368E+00	2.9849E+00	311.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002CB18	4	1.002E+03	1	-5.6194E+01	1.3919E+02	1.5010E+02	112.0
			2	2.5164E+01	-6.1310E+01	6.6271E+01	292.3
			3	-4.5395E+01	3.4243E+01	5.6863E+01	143.0
			4	6.8107E+01	2.8243E+02	2.9014E+02	76.4
			5	-1.6075E+01	2.8529E+01	3.2747E+01	119.4
			6	-1.0117E+01	1.3061E+01	1.6521E+01	127.8
			7	-1.3856E+01	-6.4244E+00	1.5273E+01	204.9
			8	2.4025E+01	-1.5616E+01	2.8654E+01	327.9
			9	-1.3288E+00	4.1015E+00	4.3114E+00	108.0
			10	7.5394E+00	6.0032E+01	7.5632E+00	4.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002CB90	2	2.740E+01	1	5.9865E+01	-7.4356E+00	7.4597E+00	274.6
			2	-2.1928E+00	9.3049E+02	2.1948E+00	177.6
			3	-6.8887E+01	1.2263E+00	1.4066E+00	119.3
			4	-7.6596E+01	-9.1606E+01	1.1941E+00	230.1
			5	-6.0489E+01	9.2175E+01	1.1825E+00	123.3
			6	-3.1866E+01	6.6117E+01	7.3395E+01	115.7
			7	7.3814E+01	8.0007E+01	1.0886E+00	47.3
			8	1.00814E+00	-7.2342E+01	1.3011E+00	326.2
			9	4.4763E+01	-1.0988E+01	4.6092E+01	346.2
			10	-4.2398E+01	2.8078E+01	5.0852E+01	146.5

TABLE 8.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002CH90	3	4.089E+01	1	1.0297E+00	-7.5554E+00	7.6253E+00	277.8
			2	-1.7491E+00	4.6676E-01	1.8103E+00	165.1
			3	3.3367E-01	2.5815E-01	4.2187E-01	37.7
			4	-4.1564E-01	-5.0183E+00	5.0354E+00	265.3
			5	3.8023E+00	2.6112E+00	4.6126E+00	34.5
			6	2.1353E-01	6.3732E-02	2.2294E-01	16.6
			7	3.4739E-02	-2.8671E-01	2.8881E-01	276.9
			8	4.8762E-01	1.2115E-01	5.0245E-01	14.1
			9	8.3482E-01	4.1295E-01	9.3137E-01	26.3
			10	2.6997E-01	2.9064E-01	3.9668E-01	47.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002CB90	4	3.964E+01	1	2.7617E+00	-9.2331E+00	9.6372E+00	286.7
			2	-2.1525E+00	-1.2335E+00	2.4809E+00	209.8
			3	-2.6342E+00	-1.2817E+00	2.9294E+00	205.9
			4	-6.9689E-01	4.6097E+00	4.6620E+00	98.6
			5	-3.3941E+00	-5.8679E+00	6.7789E+00	240.0
			6	-1.4080E+00	1.9260E+00	2.3858E+00	126.2
			7	1.3427E+00	1.5619E+00	2.0597E+00	49.3
			8	1.8455E+00	2.9742E-01	1.8693E+00	9.2
			9	9.7805E-02	-2.6737E-01	2.8479E-01	290.1
			10	-1.2351E+00	3.8779E-01	1.2946E+00	162.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002CB53	2	0.0000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	290.2
			2	0.0000E+00	0.0000E+00	0.0000E+00	163.1
			3	0.0000E+00	0.0000E+00	0.0000E+00	7.3
			4	0.0000E+00	0.0000E+00	0.0000E+00	253.7
			5	0.0000E+00	0.0000E+00	0.0000E+00	12.2
			6	0.0000E+00	0.0000E+00	0.0000E+00	128.1
			7	0.0000E+00	0.0000E+00	0.0000E+00	201.2
			8	0.0000E+00	0.0000E+00	0.0000E+00	271.2
			9	0.0000E+00	0.0000E+00	0.0000E+00	281.3
			10	0.0000E+00	0.0000E+00	0.0000E+00	231.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002CB53	3	0.0000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	298.6
			2	0.0000E+00	0.0000E+00	0.0000E+00	145.6
			3	0.0000E+00	0.0000E+00	0.0000E+00	357.8
			4	0.0000E+00	0.0000E+00	0.0000E+00	32.7
			5	0.0000E+00	0.0000E+00	0.0000E+00	326.3
			6	0.0000E+00	0.0000E+00	0.0000E+00	136.7
			7	0.0000E+00	0.0000E+00	0.0000E+00	193.8
			8	0.0000E+00	0.0000E+00	0.0000E+00	290.9
			9	0.0000E+00	0.0000E+00	0.0000E+00	118.6
			10	0.0000E+00	0.0000E+00	0.0000E+00	236.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002CB53	4	0.0000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	302.8
			2	0.0000E+00	0.0000E+00	0.0000E+00	105.3
			3	0.0000E+00	0.0000E+00	0.0000E+00	3.7
			4	0.0000E+00	0.0000E+00	0.0000E+00	7.7
			5	0.0000E+00	0.0000E+00	0.0000E+00	351.5
			6	0.0000E+00	0.0000E+00	0.0000E+00	129.9
			7	0.0000E+00	0.0000E+00	0.0000E+00	190.2
			8	0.0000E+00	0.0000E+00	0.0000E+00	287.7
			9	0.0000E+00	0.0000E+00	0.0000E+00	225.9
			10	0.0000E+00	0.0000E+00	0.0000E+00	114.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002FB18	2	4.347E+02	1	5.2502E+01	-4.3155E+01	6.7962E+01	320.6
			2	-4.1710E+01	6.3229E+01	7.5747E+01	123.4
			3	6.8681E+01	-2.6402E+01	7.3581E+01	339.0
			4	1.9493E+01	6.5810E+00	2.4574E+01	18.7
			5	4.8999E+01	-1.4380E+01	5.1065E+01	343.6
			6	-4.7563E+01	3.4827E+01	5.8950E+01	143.8
			7	-3.1304E+01	-1.9281E+01	3.6766E+01	211.5
			8	-1.1016E+01	-3.4072E+01	3.5809E+01	287.9
			9	-3.6296E-01	1.1444E+00	1.2006E+00	107.6
			10	5.4017E+00	-7.4371E+00	9.1918E+00	306.0

TABLE 8.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002FB18	3	4.222E+02	1	6.1199E+01	-5.0384E+01	7.9271E+01	320.5
			2	-4.7297E+01	-5.9187E+01	7.5763E+01	128.6
			3	8.3H66E+01	-3.4974E+01	9.0128E+01	337.2
			4	2.6746E+01	8.0616E+00	2.7935E+01	16.8
			5	5.6667E+01	-1.6469E+01	5.9012E+01	343.8
			6	-5.6619E+01	3.8778E+01	6.8626E+01	145.6
			7	-3.6539E+01	-2.0984E+01	4.2136E+01	209.9
			8	1.2154E+01	-3.1027E+01	3.3323E+01	291.4
			9	2.4541E+00	7.6609E+00	8.0444E+00	72.2
			10	5.2157E+00	-7.3021E+00	8.9735E+00	305.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002FB18	4	4.353E+02	1	6.8816E+01	-3.5112E+01	7.7256E+01	333.0
			2	-5.3542E+01	6.1788E+01	8.1759E+01	156.9
			3	1.2849E+02	-1.8556E+01	1.2983E+02	351.4
			4	3.1526E+01	1.2668E+01	3.3976E+01	21.9
			5	6.2362E+01	-3.0110E+01	6.9251E+01	334.2
			6	-5.3418E+01	4.1046E+01	6.7367E+01	142.5
			7	-4.1637E+01	-2.1973E+01	4.7080E+01	207.8
			8	5.5665E+00	-2.8976E+01	2.9506E+01	280.9
			9	-8.4344E+00	-4.6771E+00	9.6444E+00	209.0
			10	4.4228E+00	-1.63335E+01	1.6923E+01	285.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002FB38	2	1.408E+02	1	1.5138E+02	-1.4589E+02	2.1423E+02	316.1
			2	-5.0392E+01	9.4477E+01	1.0708E+02	118.1
			3	7.4390E+01	-1.2954E+01	7.5510E+01	350.1
			4	1.1724E+01	1.8525E+00	1.1869E+01	9.0
			5	1.6658E+01	-8.8588E+00	1.8867E+01	332.0
			6	-6.8007E+00	5.7201E+00	8.8864E+00	139.9
			7	3.4490E+00	1.5909E+00	3.7982E+00	24.8
			8	-3.1401E+00	8.3783E+00	8.9474E+00	118.5
			9	2.2973E+00	-2.4753E+00	3.3771E+00	312.9
			10	-7.6346E-01	4.7636E+00	4.8244E+00	99.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002FB38	3	1.363E+02	1	1.6274E+02	-1.5489E+02	2.2464E+02	316.4
			2	-5.7295E+01	9.3321E+01	1.0951E+02	121.5
			3	8.8592E+01	-2.2712E+01	9.1457E+01	345.6
			4	1.6803E+01	3.1438E+00	1.7095E+01	10.6
			5	2.3162E+01	-9.2357E+00	2.4842E+01	338.2
			6	-8.0462E+00	5.6301E+00	9.8204E+00	145.0
			7	3.0208E+00	1.7086E+00	3.4705E+00	29.5
			8	-3.3708E+00	6.5124E+00	7.3330E+00	117.4
			9	1.9506E+00	-4.9563E+00	5.3301E+00	291.6
			10	2.9786E-01	4.7253E+00	4.7347E+00	86.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002FB38	4	1.323E+02	1	1.7814E+02	-1.6009E+02	2.3950E+02	318.1
			2	-6.7358E+01	9.5414E+01	1.1679E+02	125.2
			3	1.3220E+02	-8.6997E+00	1.3249E+02	356.2
			4	2.2991E+01	4.6999E+00	2.2586E+01	12.6
			5	2.2127E+01	-1.3625E+01	2.5985E+01	328.4
			6	-9.9624E+00	8.6695E+00	1.3206E+01	139.0
			7	3.7898E+00	9.9092E+01	7.4452E+00	7.6
			8	-1.4052E+00	6.3151E+00	6.4695E+00	102.5
			9	6.4549E+00	1.09952E+01	6.4559E+00	1.6
			10	-8.0722E-01	1.0075E+01	1.0107E+01	94.6

TABLE 8.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002FB90	2	4.734E+01	1	1.9942E+01	-4.7734E+01	5.1732E+01	292.7
			2	-6.6331E+00	1.6351E+01	1.7645E+01	112.1
			3	2.5761E+00	-9.2911E-01	2.7386E+00	340.2
			4	-6.5051E-01	-7.5734E+00	7.6013E+00	265.1
			5	-5.1734E-01	2.4733E+00	2.5268E+00	101.8
			6	4.9877E+00	-1.7277E+00	5.2785E+00	340.9
			7	-2.1850E+00	-1.7332E+00	2.7898E+00	218.4
			8	6.0633E+00	-7.1550E+00	9.3785E+00	310.3
			9	2.4233E+00	1.7729E+00	3.0026E+00	36.2
			10	2.5607E+00	1.7651E+00	3.1101E+00	34.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002FB90	3	5.131E+01	1	2.0221E+01	-5.1798E+01	5.5605E+01	291.3
			2	-8.5035E+00	1.7179E+01	1.9160E+01	116.3
			3	3.9104E+00	-8.2811E-01	3.9971E+00	348.0
			4	-3.5267E-01	-1.0144E+01	1.0150E+01	268.0
			5	4.9501E-01	3.1119E+00	3.1511E+00	81.0
			6	6.3571E+00	-1.6943E+00	6.5790E+00	345.1
			7	-2.0240E+00	-2.0331E+00	2.8688E+00	225.1
			8	5.9634E+00	-6.0543E+00	8.4981E+00	314.6
			9	3.4986E+00	3.1750E+00	4.7245E+00	42.2
			10	2.8857E+00	2.1745E+00	3.6133E+00	37.0
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 002FB90	4	6.576E+01	1	2.0844E+01	-6.0791E+01	6.4265E+01	288.9
			2	-9.5525E+00	1.9543E+01	2.1752E+01	116.0
			3	3.8226E+00	-1.3824E+00	4.0649E+00	340.1
			4	-6.8980E+00	-7.8052E+00	1.0416E+01	228.5
			5	-7.2866E+00	9.8804E-01	7.3533E+00	172.3
			6	2.9403E+00	-8.1595E-02	2.9414E+00	358.4
			7	-6.9176E+00	1.3032E+00	7.0393E+00	169.3
			8	4.0048E+00	-4.3217E+00	5.9536E+00	313.5
			9	8.3575E-01	8.5845E-01	1.1981E+00	45.8
			10	2.0111E+00	3.7266E+00	4.2346E+00	61.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 LEADLAG	2	1.144E+02	1	5.8918E-02	1.0675E-01	1.2193E-01	61.1
			2	-4.2768E-03	4.9201E-02	4.9387E-02	95.0
			3	2.8976E-02	5.0787E-02	5.8471E-02	60.3
			4	-4.5970E-02	-5.0656E-02	6.8405E-02	227.8
			5	8.7331E-03	-1.5608E-02	1.7885E-02	299.2
			6	2.1379E-03	-5.2729E-02	5.2773E-02	272.3
			7	-4.4531E-03	1.5364E-02	1.5997E-02	106.2
			8	-6.9277E-03	-1.5426E-02	1.6910E-02	245.8
			9	-1.8514E-02	-1.3318E-02	2.2807E-02	215.7
			10	9.0039E-03	-1.6073E-02	1.8423E-02	299.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 LEADLAG	3	1.161E+02	1	1.2814E-01	6.8739E-02	1.4541E-01	28.2
			2	8.7785E-03	3.3430E-02	3.4572E-02	75.3
			3	3.4209E-02	3.1713E-02	4.6641E-02	42.8
			4	-2.5821E-02	7.2352E-03	2.6815E-02	164.3
			5	3.3528E-02	4.9986E-03	3.3899E-02	8.5
			6	-3.9289E-02	1.4152E-02	4.1760E-02	160.2
			7	-2.6143E-02	-5.3988E-03	2.6694E-02	191.7
			8	-3.7870E-03	-2.6301E-02	2.6572E-02	261.8
			9	1.7233E-02	9.3240E-03	1.9593E-02	28.4
			10	1.2871E-02	-1.5909E-02	2.0464E-02	309.0

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TABLE 8.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 LEADLAG	4	1.149E+02	1	2.2554E-01	-2.2512E-03	2.2555E-01	359.4
			2	-3.7818E-02	1.9456E-02	4.2530E-02	152.8
			3	9.4572E-04	3.5840E-02	3.5853E-02	88.5
			4	3.6250E-02	-3.0834E-02	4.7590E-02	319.6
			5	-1.1061E-02	-1.7470E-02	2.0677E-02	237.7
			6	-1.0090E-02	-8.5564E-03	1.3229E-02	220.3
			7	7.3649E-03	-1.1203E-03	7.4496E-03	351.4
			8	-9.9472E-03	-1.2846E-02	1.6247E-02	232.2
			9	2.5926E-02	1.5799E-02	2.9596E-02	32.3
			10	7.4682E-03	3.4191E-03	8.2135E-03	24.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 FLAPANG	2	6.816E-01	1	-7.8131E-01	2.4891E-01	8.2001E-01	162.3
			2	9.0010E-02	-2.7609E-01	2.9039E-01	288.1
			3	-1.9515E-01	3.4193E-02	1.9812E-01	170.1
			4	-4.7562E-03	2.8083E-02	2.8483E-02	99.6
			5	-4.2320E-02	1.7019E-02	4.5614E-02	158.1
			6	3.4671E-02	-2.4564E-02	4.2489E-02	324.7
			7	2.6619E-02	1.3426E-02	2.9813E-02	26.8
			8	-6.9131E-03	1.4691E-02	1.6236E-02	115.2
			9	-4.1994E-04	-3.0543E-03	3.0830E-03	262.2
			10	-2.5711E-03	3.5961E-03	4.4207E-03	125.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 FLAPANG	3	-1.708E+00	1	-3.4209E-01	-1.5887E-01	3.7718E-01	204.9
			2	7.9361E-02	-2.6333E-01	2.7503E-01	286.8
			3	-2.3616E-01	4.5235E-02	2.4046E-01	169.2
			4	-1.7485E-02	4.2575E-02	4.6025E-02	112.3
			5	-4.8670E-02	2.2297E-02	5.3534E-02	155.4
			6	6.1219E-02	-3.4053E-02	7.0053E-02	330.9
			7	2.6925E-02	1.1801E-02	2.9398E-02	23.7
			8	-1.1892E-02	1.7923E-02	2.1519E-02	123.6
			9	-6.3301E-03	1.7256E-03	6.5611E-03	195.2
			10	2.0038E-04	-2.9389E-03	2.9457E-03	273.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 FLAPANG	4	-9.062E-01	1	-1.2984E+00	2.1713E-01	1.3165E+00	170.5
			2	6.2430E-02	-2.9442E-01	3.0096E-01	282.0
			3	-3.3128E-01	7.4914E-03	3.3132E-01	178.7
			4	-4.6027E-02	3.8140E-02	5.9775E-02	140.4
			5	-5.5729E-02	4.8640E-02	7.3970E-02	138.9
			6	3.8772E-02	-4.3240E-02	5.8083E-02	311.9
			7	3.1185E-02	1.5725E-02	3.4925E-02	26.8
			8	-2.3526E-03	1.2610E-02	1.2828E-02	100.6
			9	-1.9922E-03	9.3798E-03	9.5890E-03	102.0
			10	-4.2399E-03	6.0782E-03	7.4109E-03	124.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 PTCHLINK	2	1.913E+01	1	7.9985E+00	3.2037E+01	3.3021E+01	76.0
			2	6.2629E+00	-3.2436E+01	3.3035E+01	284.9
			3	3.9370E-02	3.8166E+01	3.8166E+01	89.9
			4	-1.5293E+01	7.0772E+00	1.6851E+01	155.2
			5	-1.2484E+00	4.1968E-01	1.3171E+00	161.4
			6	3.3785E-01	1.7362E+01	1.7366E+01	91.1
			7	-7.4874E+00	1.0973E+01	1.3284E+01	124.3
			8	-6.2157E+00	1.5088E+01	1.6318E+01	112.4
			9	8.0291E+00	-3.6338E+00	8.8131E+00	335.6
			10	-8.6247E+00	4.0552E+00	9.5305E+00	154.8

TABLE 8.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 PTCHLINK	3	-2.912E+01	1	1.6882E+01	1.5173E+01	2.2698E+01	41.9
			2	-5.3388E+00	-6.6154E+00	8.5007E+00	231.1
			3	2.4475E+00	1.6999E+01	1.7175E+01	81.8
			4	-2.8980E+00	-3.9524E+00	4.9010E+00	233.8
			5	-2.2874E-01	-4.9010E+00	4.9063E+00	267.3
			6	1.6337E+00	7.5125E+00	7.6881E+00	77.7
			7	-4.2137E+00	1.3812E+00	4.4343E+00	161.9
			8	3.3025E-01	3.1652E+00	3.1824E+00	84.0
			9	-2.7976E+00	1.2830E+00	3.0778E+00	155.4
			10	-2.8618E+00	5.4165E+00	6.1261E+00	117.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 PTCHLINK	4	-2.011F+01	1	2.3507E+00	4.8157E+01	4.8214E+01	87.2
			2	2.2576E+00	-2.4599E+01	2.4702E+01	275.2
			3	1.1789E+01	2.9606E+01	3.1867E+01	68.3
			4	-1.0854E+01	-1.9863E+00	1.1034E+01	190.4
			5	-4.3128E+00	-4.8469E+00	6.4878E+00	228.3
			6	8.5553E+00	8.7929E+00	1.2268E+01	45.8
			7	-1.0397E+01	6.6666E+00	1.2350E+01	147.3
			8	-5.9765E+00	-2.7570E+00	6.5818E+00	204.8
			9	1.0163E+01	5.5287E+00	1.1569E+01	28.5
			10	-1.0920E+01	1.1222E+01	1.5659E+01	134.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004CB18	2	-2.337E+03	1	-1.0520E+02	-1.0064E+02	1.4558E+02	223.7
			2	4.4276E+01	-6.1938E+01	7.6136E+01	305.6
			3	-4.7737E+00	2.2229E+01	2.2736E+01	102.1
			4	1.5156E+02	3.7045E+02	4.0026E+02	67.7
			5	-7.4069E+01	1.9010E+01	7.6469E+01	165.6
			6	2.6904E+01	2.1507E+01	3.4444E+01	38.6
			7	-8.6216E-01	9.6874E+00	9.7257E+00	95.1
			8	2.1823E+01	-3.3859E+01	4.0274E+01	302.8
			9	6.7233E-01	7.2894E+00	7.3203E+00	84.7
			10	-1.8248E+00	5.8102E+00	6.0900E+00	107.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004CB18	3	-2.334E+03	1	-1.3798E+02	-9.3974E+01	1.6694E+02	214.3
			2	4.0539E+01	-7.0112E+01	8.0984E+01	300.0
			3	-1.8047E+01	3.0923E+01	3.5804E+01	120.3
			4	1.2623E+02	4.2665E+02	4.4494E+02	73.5
			5	-7.5871E+01	1.4315E+01	7.7209E+01	169.3
			6	2.5160E+01	1.0476E+01	2.7254E+01	22.6
			7	-1.6304E+00	9.9743E+00	1.0107E+01	99.3
			8	3.0009E+01	-1.9531E+01	3.6563E+01	327.7
			9	7.5928E+00	1.1012E+01	1.3376E+01	55.4
			10	1.9971E+00	5.7233E+00	6.0617E+00	70.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004CB18	4	-2.266E+03	1	-1.6740E+02	-1.1854E+02	2.0512E+02	215.3
			2	4.4387E+01	-6.4055E+01	7.7931E+01	304.7
			3	-1.5819E+01	-3.4601E+00	1.6193E+01	192.3
			4	-1.5272E+01	4.6324E+02	4.6349E+02	91.9
			5	-6.3076E+01	6.1533E+00	6.3375E+01	174.4
			6	1.7001E+01	1.0152E+01	1.9802E+01	30.8
			7	-3.2387E+00	1.1003E+01	1.1469E+01	106.4
			8	3.8365E+01	-5.3098E+01	3.8369E+01	359.2
			9	-7.2004E+00	2.8715E+00	7.751AE+00	158.3
			10	-7.9550E+00	8.7648E-01	8.0032E+00	173.7

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TABLE 8.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004CB53	2	-6.881E+02	1	-6.9074E+01	-5.8175E+01	9.0308E+01	220.1
			2	2.3479E+01	-3.0255E+01	3.8297E+01	307.8
			3	-9.4389E-01	1.2667E+01	1.2702E+01	94.3
			4	2.1788E+02	4.6751E+02	5.1579E+02	65.0
			5	-1.4344E+02	2.6652E+01	1.4590E+02	169.5
			6	4.2076E+01	1.0570E+01	4.3383E+01	14.1
			7	-1.8530E+01	-1.1689E+00	1.8567E+01	183.6
			8	-4.0979E+01	6.0529E+01	7.3095E+01	124.1
			9	-2.5530E-01	-1.1527E+01	1.1530E+01	268.7
			10	-1.1304E+00	-4.1472E+00	4.2985E+00	254.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004CB53	3	-6.855E+02	1	-8.3860E+01	-5.2388E+01	9.8878E+01	212.0
			2	2.2414E+01	-3.1169E+01	3.8391E+01	305.7
			3	2.6515E-01	1.7116E+01	1.7170E+01	89.1
			4	1.9603E+02	5.4511E+02	5.7928E+02	70.2
			5	-1.4166E+02	1.8097E+01	1.4282E+02	172.7
			6	3.0556E+01	-2.9364E+01	4.2378E+01	316.1
			7	-1.2550E+01	-5.8269E+00	1.3837E+01	204.9
			8	-5.4715E+01	3.4715E+01	6.4799E+01	147.6
			9	-5.7708E+00	-1.7622E+01	1.8543E+01	251.9
			10	-1.9059E+00	-5.7297E+00	6.0383E+00	251.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004CB53	4	-6.643E+02	1	-1.0005E+02	-6.9610E+01	1.2189E+02	214.8
			2	1.4353E+01	-2.3209E+01	2.7281E+01	301.7
			3	1.3588E+01	-2.3204E+00	1.3785E+01	350.3
			4	5.0809E+01	6.1687E+02	6.1896E+02	85.3
			5	-7.8653E+01	-7.2539E+00	7.8986E+01	185.3
			6	5.5208E+01	-2.8381E+01	6.2076E+01	332.8
			7	-3.7600E+01	-4.3015E+00	3.7846E+01	186.5
			8	-7.7847E+01	1.8016E+00	7.7868E+01	178.7
			9	7.1141E+00	-6.6627E+00	9.7469E+00	316.9
			10	5.3184E+00	3.1957E+00	6.2047E+00	31.0
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004FB13	2	1.569E+02	1	1.3014E+02	-7.0764E+01	1.4813E+02	331.5
			2	6.1393E+00	2.9035E+01	2.9677E+01	78.1
			3	-9.8718E+00	-1.9417E+01	2.1783E+01	243.1
			4	3.9027E+01	-1.5313E+01	4.1924E+01	338.6
			5	6.6525E+01	-2.5924E+00	6.6575E+01	357.8
			6	-2.9283E+01	-2.6817E+01	3.9707E+01	222.5
			7	7.0298E+00	-1.9434E+01	2.0667E+01	289.9
			8	1.5829E+01	-9.4483E+00	1.8435E+01	329.2
			9	1.6524E+01	-5.3942E+01	6.6416E+01	287.0
			10	1.9744E+01	-1.1505E+01	2.2851E+01	329.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004FB13	3	1.496E+02	1	1.4138E+02	-7.8149E+01	1.6154E+02	331.1
			2	1.8432E-01	1.9508E+01	1.9509E+01	89.5
			3	1.3092E+01	-3.2424E+01	3.4967E+01	292.6
			4	5.1441E+01	-6.9684E+00	5.1911E+01	352.3
			5	7.0596E+01	-1.5000E+00	7.0612E+01	358.8
			6	-2.3146E+01	-1.6472E+01	2.8409E+01	215.4
			7	9.7275E+00	-1.7102E+01	1.9675E+01	299.6
			8	2.2388E+01	-1.0806E+01	2.4859E+01	334.2
			9	1.7414E+01	-5.6672E+01	5.9287E+01	287.1
			10	2.2269E+01	-1.3237E+01	2.5907E+01	329.3

TABLE 8.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004FB13	4	1.335E+02	1	1.2889E+02	-6.5838E+01	1.4465E+02	332.9
			2	-1.1849E+00	2.9158E+01	2.9182E+01	92.3
			3	3.3968E+01	-2.8185E+01	4.4138E+01	320.3
			4	6.7199E+01	2.5856E+01	7.2001E+01	21.4
			5	5.6233E+01	2.5524E+01	6.1754E+01	24.4
			6	-1.5493E+01	2.1318E+01	2.6353E+01	126.0
			7	7.6931E+00	7.7983E-01	7.7325E+00	5.8
			8	3.5085E+01	7.1304E+00	3.5802E+01	11.5
			9	3.3422E+01	-1.5304E+01	3.6760E+01	335.4
			10	3.4438E+01	9.4755E+00	3.5718E+01	15.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004FB18	2	-9.409E+01	1	1.4203E+02	-1.2068E+02	1.8637E+02	319.6
			2	-1.9083E+00	5.6355E+01	5.6387E+01	91.9
			3	-2.0999E+01	-2.9169E+01	3.5942E+01	234.2
			4	3.3216E+01	-2.5745E+01	4.2025E+01	322.2
			5	5.7489E+01	-4.9245E+00	5.7691E+01	355.1
			6	-3.2225E+01	-2.7211E+01	4.2177E+01	220.2
			7	7.0117E-01	-2.1603E+01	2.1614E+01	271.9
			8	7.5545E+00	-8.4058E+00	1.1302E+01	311.9
			9	1.1491E+01	-4.2380E+01	4.3910E+01	285.2
			10	1.3035E+01	-1.1069E+01	1.7101E+01	319.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004FB18	3	-1.051E+02	1	1.5365E+02	-1.2755E+02	1.9969E+02	320.3
			2	-9.5823E+00	5.1878E+01	5.2756E+01	100.5
			3	-4.9448E-01	-4.0333E+01	4.0336E+01	269.3
			4	4.3322E+01	-1.8469E+01	4.7095E+01	336.9
			5	6.0998E+01	-6.0313E+01	6.1295E+01	354.4
			6	-2.7919E+01	-1.8379E+01	3.3425E+01	213.4
			7	1.4142E+00	-2.1610E+01	2.1657E+01	273.7
			8	1.0462E+01	-1.1533E+01	1.5571E+01	312.2
			9	1.1626E+01	-4.7001E+01	4.8417E+01	283.9
			10	1.3561E+01	-1.3687E+01	1.9268E+01	314.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004FB18	4	-1.279E+02	1	1.4784E+02	-1.1911E+02	1.8986E+02	321.1
			2	-1.1539E+01	5.7445E+01	5.8593E+01	101.4
			3	2.7218E+01	-4.2269E+01	5.0274E+01	302.8
			4	7.0161E+01	1.2183E+01	7.1211E+01	9.9
			5	5.8036E+01	1.5080E+01	5.9963E+01	14.6
			6	-1.1223E+01	9.5148E+00	1.4713E+01	139.7
			7	7.4797E+00	-8.9151E+00	1.1637E+01	310.0
			8	2.7858E+01	1.5265E+00	2.7900E+01	3.1
			9	2.9453E+01	-8.8916E+00	3.0765E+01	343.2
			10	2.5902E+01	6.4219E+00	2.6686E+01	13.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004FB53	2	8.215E+01	1	7.3609E+01	-7.4699E+01	1.0487E+02	314.6
			2	-7.3122E+00	1.5577E+01	1.7208E+01	115.1
			3	-3.3320E+00	-8.6037E+00	9.2264E+00	248.8
			4	-1.5489E+01	7.5598E-01	1.5507E+01	177.2
			5	-1.1899E+01	1.5550E+00	1.2001E+01	172.6
			6	8.6139E+00	8.9753E+00	1.2440E+01	46.2
			7	-2.5753E+00	1.0655E+01	1.0962E+01	103.6
			8	-3.3591E+00	5.5310E+00	6.4711E+00	121.3
			9	-6.5961E+00	2.4895E+01	2.5754E+01	104.8
			10	-6.5151E+00	6.2838E+00	9.0517E+00	136.0

ORIGINAL PAGE IS  
OF POOR QUALITY

TABLE 8.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004FB53	3	7.621E+01	1	7.9317E+01	-8.0756E+01	1.1319E+02	314.5
			2	-1.0658E+01	1.4634E+01	1.8104E+01	126.1
			3	4.2311E+00	-1.3689E+01	1.4328E+01	287.2
			4	-1.7508E+01	4.9161E+01	1.7515E+01	178.4
			5	-1.2828E+01	3.4132E+00	1.3274E+01	165.1
			6	6.7753E+00	7.5085E+00	1.0113E+01	47.9
			7	-2.5308E+00	1.0380E+01	1.0684E+01	103.7
			8	-4.1872E+00	8.6866E+00	9.6431E+00	115.7
			9	-7.0416E+00	2.9155E+01	2.9993E+01	103.6
			10	-6.3184E+00	7.7415E+00	9.9926E+00	129.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004FB53	4	6.788E+01	1	8.5229E+01	-8.8824E+01	1.2310E+02	313.8
			2	-1.1575E+01	1.0004E+01	1.5299E+01	139.2
			3	2.3334E+01	-3.0957E+01	3.8766E+01	307.0
			4	-1.5601E+01	-9.9265E+00	1.8491E+01	212.5
			5	-9.0316E+00	-4.0017E+00	9.8784E+00	203.9
			6	7.6768E+00	-2.2995E+00	8.0138E+00	343.3
			7	3.5085E+01	4.0614E+00	4.0765E+01	85.1
			8	-1.2512E+01	1.7107E+00	1.2628E+01	172.2
			9	-2.1151E+01	7.9615E+00	2.2600E+01	159.4
			10	-1.6042E+01	8.1803E-01	1.6061E+01	177.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004FB90	2	9.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	115.5
			2	0.0000E+00	0.0000E+00	0.0000E+00	331.2
			3	0.0000E+00	0.0000E+00	0.0000E+00	287.7
			4	0.0000E+00	0.0000E+00	0.0000E+00	93.8
			5	0.0000E+00	0.0000E+00	0.0000E+00	3.6
			6	0.0000E+00	0.0000E+00	0.0000E+00	40.4
			7	0.0000E+00	0.0000E+00	0.0000E+00	11.4
			8	0.0000E+00	0.0000E+00	0.0000E+00	311.2
			9	0.0000E+00	0.0000E+00	0.0000E+00	12.7
			10	0.0000E+00	0.0000E+00	0.0000E+00	341.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004FB90	3	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	114.6
			2	0.0000E+00	0.0000E+00	0.0000E+00	167.6
			3	0.0000E+00	0.0000E+00	0.0000E+00	351.4
			4	0.0000E+00	0.0000E+00	0.0000E+00	91.1
			5	0.0000E+00	0.0000E+00	0.0000E+00	28.4
			6	0.0000E+00	0.0000E+00	0.0000E+00	326.6
			7	0.0000E+00	0.0000E+00	0.0000E+00	335.9
			8	0.0000E+00	0.0000E+00	0.0000E+00	355.5
			9	0.0000E+00	0.0000E+00	0.0000E+00	274.3
			10	0.0000E+00	0.0000E+00	0.0000E+00	42.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004FB90	4	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	114.0
			2	0.0000E+00	0.0000E+00	0.0000E+00	286.6
			3	0.0000E+00	0.0000E+00	0.0000E+00	217.2
			4	0.0000E+00	0.0000E+00	0.0000E+00	125.2
			5	0.0000E+00	0.0000E+00	0.0000E+00	93.4
			6	0.0000E+00	0.0000E+00	0.0000E+00	142.6
			7	0.0000E+00	0.0000E+00	0.0000E+00	346.2
			8	0.0000E+00	0.0000E+00	0.0000E+00	45.7
			9	0.0000E+00	0.0000E+00	0.0000E+00	301.3
			10	0.0000E+00	0.0000E+00	0.0000E+00	269.3

TABLE 8.- CONCLUDED

## c) Concluded

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004TB13	2	-5.295E+01	1	3.7303E+01	-4.5625E+01	5.8933E+01	309.3
			2	-9.2802E+00	5.0292E+00	1.0485E+01	151.3
			3	-8.7489E+00	-1.1413E+00	8.8231E+00	187.4
			4	1.1937E+01	-1.1797E+00	1.1995E+01	354.4
			5	8.0680E+00	-7.1529E+00	1.0782E+01	318.4
			6	-6.8165E+00	-5.3175E+00	8.6452E+00	218.0
			7	-6.4331E-01	-4.5753E+00	4.6203E+00	262.0
			8	1.9897E+00	-3.1190E+00	3.6996E+00	302.5
			9	1.4359E+00	-4.5303E+00	4.7525E+00	287.6
			10	7.7279E-01	-2.4118E+00	2.5325E+00	287.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004TB13	3	-6.329E+01	1	3.6809E+01	-4.2169E+01	5.5974E+01	311.1
			2	-1.0533E+01	3.5237E+00	1.1107E+01	161.5
			3	-5.7735E+00	-8.8538E+01	5.8410E+00	188.7
			4	1.3183E+01	7.7995E-01	1.3206E+01	3.4
			5	8.9725E+00	-8.7283E+00	1.2518E+01	315.8
			6	-4.7034E+00	-4.8812E+00	6.7785E+00	226.1
			7	-9.2394E-01	-4.2968E+00	4.3950E+00	257.9
			8	1.6503E+00	-3.2546E+00	3.6491E+00	296.0
			9	1.8019E+00	-4.7977E+00	5.1249E+00	290.6
			10	1.1378E+00	-2.3161E+00	2.5805E+00	296.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
62 004TB13	4	-8.806E+01	1	3.5693E+01	-3.7643E+01	5.1875E+01	313.5
			2	-7.7524E+00	5.8865E+00	9.7340E+00	142.8
			3	3.2726E+00	7.8963E-01	3.3665E+00	13.6
			4	2.1563E+01	7.9803E+00	2.2992E+01	20.3
			5	1.3412E+01	-4.7542E+00	1.3853E+01	339.9
			6	-9.6870E-02	4.5622E-01	4.6630E+01	102.0
			7	9.5680E-01	-1.6588E+00	1.9150E+00	300.0
			8	6.1245E+00	-1.5523E+00	6.3181E+00	345.8
			9	3.1916E+00	-1.4577E+00	3.5087E+00	335.5
			10	1.4009E+00	-1.6754E+00	2.1839E+00	309.9

TABLE 9.- FREE-TIP DATA FROM ADVANCE-RATIO SWEEP, RUN 38

a) Block A data

SUMMARY LISTING RUN 38 WOZ 37 WT 32							ORIGINAL FILE NO. OF POOR QUALITY
LOW SPEED CALCULATED DATA							
RUN	TP	MU <sup>1</sup>	ALPHAS	RPM1	VTIP	M1(90)	M1(270)
38	1	3.0529E-01	-4.5799E+00	7.9400E+02	6.9985E+02	8.2167E-01	4.3731E-01
	2	3.5712E-01	-6.0193E+00	7.9200E+02	6.9808E+02	8.5166E-01	4.8344E-01
	3	3.9192E-01	-5.9975E+00	7.8800E+02	6.9456E+02	8.6861E-01	3.7947E-01
	4	3.0565E-01	-4.6454E+00	7.9400E+02	6.9985E+02	8.2074E-01	4.3648E-01
	5	2.5404E-01	-2.9664E+00	7.9400E+02	6.9985E+02	7.8914E-01	4.6939E-01
	6	2.8547E-01	-2.0283E+00	7.9200E+02	6.9808E+02	7.5699E-01	4.9893E-01
	7	1.5260E-01	-1.2867E+00	7.9400E+02	6.9985E+02	7.2585E-01	5.3365E-01
	8	1.6055E-01	-3.0533E-01	7.9200E+02	6.9808E+02	6.9149E-01	5.6513E-01
	9	0.0000E+00	-5.0161E-01	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	VTUN	WTUN	RHOTUN	CTB	CTR	CHR
38	1	2.0993E+02	5.1772E+01	2.3496E-03	5.5235E-03	5.4538E-03	2.0925E-04
	2	2.4494E+02	6.9785E+01	2.3263E-03	5.6794E-03	5.6744E-03	2.7753E-04
	3	2.6745E+02	8.2565E+01	2.3085E-03	5.7832E-03	5.8696E-03	2.9731E-04
	4	2.1017E+02	5.1756E+01	2.3434E-03	5.5461E-03	5.4761E-03	2.1732E-04
	5	1.7468E+02	3.6120E+01	2.3674E-03	5.7580E-03	5.5911E-03	1.4532E-04
	6	1.4093E+02	2.3680E+01	2.3844E-03	5.6077E-03	5.4332E-03	8.9333E-05
	7	1.0493E+02	1.3205E+01	2.3984E-03	5.8665E-03	5.7106E-03	8.7155E-05
	8	6.8968E+01	5.7279E+00	2.4884E-03	5.8163E-03	5.7797E-03	2.7499E-05
	9	0.0000E+00	0.0000E+00	2.4136E-03	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CHR	CYB	CYR	CFB	CPR	CT <sup>1</sup> B
38	1	3.1118E-04	-1.8821E-04	-1.0718E-04	3.2264E-04	3.2660E-04	5.5226E-03
	2	4.2655E-04	-7.9362E-05	-7.9653E-05	4.0940E-04	4.1359E-04	5.5772E-03
	3	4.7585E-04	-6.1657E-05	-5.7157E-05	4.5412E-04	4.5846E-04	5.7626E-03
	4	3.1959E-04	-1.1596E-04	-1.1492E-04	3.2436E-04	3.2833E-04	5.5455E-03
	5	1.9752E-04	-1.2509E-04	-1.1479E-04	2.8349E-04	2.8725E-04	5.7578E-03
	6	1.2601E-04	-7.5336E-05	-6.9949E-05	2.5832E-04	2.6188E-04	5.6474E-03
	7	1.0205E-04	-1.2471E-04	-1.2175E-04	2.7262E-04	2.7458E-04	5.8071E-03
	8	3.3510E-05	-6.8483E-05	-7.1472E-05	3.3104E-04	3.3383E-04	5.8164E-03
	9	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CT <sup>1</sup> R	CXR	CXR	CDER	CDER	L/002R
38	1	5.4612E-03	2.3247E-04	1.2534E-04	8.2436E-04	9.4449E-04	9.3465E-02
	2	5.6878E-03	3.1957E-04	1.7084E-04	8.2685E-04	9.8730E-04	6.9920E-02
	3	5.8275E-03	3.0858E-04	1.3377E-04	8.5612E-04	1.0364E-03	5.9131E-02
	4	5.4840E-03	2.3256E-04	1.2496E-04	8.2868E-04	9.4920E-04	9.3236E-02
	5	5.5937E-03	1.5282E-04	9.2041E-05	9.6311E-04	1.0387E-03	1.4813E-01
	6	5.4343E-03	1.3919E-04	6.6362E-05	1.1486E-03	1.2081E-03	2.1861E-01
	7	5.7116E-03	4.3258E-05	2.1214E-05	1.7432E-03	1.7781E-03	3.9165E-01
	8	5.7798E-03	3.4961E-06	-2.7493E-06	3.2887E-03	3.3227E-03	9.4354E-01
	9	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	L/002R	X/002B	X/002R	P/QVD2B	P/QVD2R	DE/QD2B
38	1	9.2032E-02	3.9175E-03	2.1116E-03	1.7809E-02	1.8628E-02	1.3892E-02
	2	7.0051E-02	3.9358E-03	2.1044E-03	1.4119E-02	1.4264E-02	1.1183E-02
	3	5.9591E-02	3.1554E-03	1.3670E-03	1.1849E-02	1.1962E-02	8.6931E-03
	4	9.2204E-02	3.9141E-03	2.1009E-03	1.7843E-02	1.8061E-02	1.3933E-02
	5	1.3614E-01	3.7193E-03	2.2400E-03	2.7159E-02	2.7518E-02	2.3439E-02
	6	2.0217E-01	4.3622E-03	2.4688E-03	4.6770E-02	4.7414E-02	4.2247E-02
	7	3.8522E-01	2.9175E-03	1.4306E-03	1.2049E-01	1.2135E-01	1.1757E-01
	8	8.9786E-01	5.4309E-04	-4.2087E-04	5.1143E-01	5.1574E-01	5.1088E-01
	9	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

TABLE 9.- CONTINUED

a) Continued

RUN	TP	DE/QD2R	Y/QD2R	Y/QD2R	CPMB	CPMR	CRMB
38	1	1.5916E-02	-1.8236E-03	-1.8461E-03	2.1883E-05	2.3679E-05	-2.1553E-05
	2	1.2160E-02	-9.7742E-04	-9.8100E-04	4.1004E-05	4.1849E-05	-8.7633E-06
	3	1.0594E-02	-6.3049E-04	-5.8447E-04	3.8033E-05	3.8470E-05	-2.9616E-07
	4	1.5969E-02	-1.9497E-03	-1.9322E-03	2.3582E-05	2.5382E-05	-2.4152E-05
	5	2.5278E-02	-3.0443E-03	-2.7937E-03	-2.7812E-06	1.6447E-06	-1.7984E-05
	6	4.4945E-02	-2.8027E-03	-2.6022E-03	-7.4262E-06	-5.0643E-06	2.3737E-06
	7	1.1992E-01	-8.4114E-03	-8.2113E-03	6.4956E-06	7.7812E-06	-1.2448E-05
	8	5.1616E-01	-1.0638E-02	-1.1103E-02	-4.5699E-06	-3.0288E-06	2.5839E-05
	9	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CRM	ROTORHPR	ROTORHPR	TB	PMR	HR
38	1	-2.2124E-05	1.0515E+02	1.0643E+02	1.4146E+03	4.7173E+01	5.3594E+01
	2	-9.6833E-06	1.3110E+02	1.3244E+02	1.4329E+03	8.7075E+01	7.3428E+01
	3	-1.2484E-06	1.4213E+02	1.4349E+02	1.4333E+03	7.9344E+01	7.3685E+01
	4	-2.4725E-05	1.3543E+02	1.0572E+02	1.4167E+03	5.0745E+01	5.5512E+01
	5	-2.6665E-05	9.3088E+01	9.4319E+01	1.4858E+03	-6.0438E+00	3.7499E+01
	6	-3.0317E-05	8.4786E+01	8.5955E+01	1.4581E+03	-1.6164E+01	2.3114E+01
	7	-1.3195E-05	9.0689E+01	9.1343E+01	1.5180E+03	1.4294E+01	2.2785E+01
	8	2.5808E-05	1.2975E+02	1.1067E+02	1.5192E+03	-1.0042E+01	7.1828E+00
	9	0.0000E+00	0.0000E+00	0.0000E+00	-1.3256E+01	1.3277E+00	-1.3659E+00
RUN	TP	SFB	RMB	QR	V SOUND	P TOTAL	P STATIC
38	1	-2.7714E+01	-4.6461E+01	6.9552E+02	1.1118E+03	2.1266E+03	2.6744E+03
	2	-2.4623E+01	-1.8612E+01	8.6940E+02	1.1124E+03	2.1268E+03	2.4562E+03
	3	-1.5281E+01	-6.1782E+01	9.4732E+02	1.1130E+03	2.1265E+03	2.4427E+03
	4	-2.9621E+01	-5.1928E+01	6.9740E+02	1.1133E+03	2.1271E+03	2.6748E+03
	5	-3.2279E+01	-3.9461E+01	6.1574E+02	1.1122E+03	2.1281E+03	2.8917E+03
	6	-1.9482E+01	-4.5136E+00	5.6226E+02	1.1117E+03	2.1286E+03	2.1448E+03
	7	-3.2605E+01	-2.6493E+01	5.9989E+02	1.1113E+03	2.1290E+03	2.1158E+03
	8	-1.7888E+01	5.6897E+01	7.2784E+02	1.1114E+03	2.1293E+03	2.1236E+03
	9	1.2164E+00	-1.9817E+01	1.9824E+02	1.1114E+03	2.1297E+03	2.1297E+03
RUN	TP	TSTATIC	PRFSSALT	DENSALT	RN/75	CT/SB	CT/SP
38	1	5.4809E+01	5.5111E+02	4.1328E+02	1.8693E+06	6.8539E-22	6.7665E-02
	2	5.5393E+01	7.9417E+02	7.5198E+02	1.8444E+06	7.0464E-02	7.0402E-02
	3	5.5961E+01	9.7536E+02	1.0134E+03	1.8194E+06	7.1752E-02	7.2879E-02
	4	5.6252E+01	5.4605E+02	5.1242E+02	1.8602E+06	6.9818E-02	6.7942E-02
	5	5.5212E+01	3.2147E+02	1.5631E+02	1.8822E+06	7.1439E-02	6.9367E-02
	6	5.4723E+01	1.4952E+02	-8.8531E+01	1.8924E+06	6.9575E-02	6.7414E-02
	7	5.4399E+01	5.2931E+00	-2.8986E+02	1.9094E+06	7.2341E-02	7.0861E-02
	8	5.4147E+01	-9.6516E+01	-4.3106E+02	1.9132E+06	7.2163E-02	7.1749E-02
	9	5.4505E+01	-1.7563E+02	-5.0515E+02	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CH/SB	CH/SR	CY/SB	CY/SR	CP/SB	CP/SP
38	1	2.5961E-03	3.8608E-03	-1.3426E-03	-1.3297E-03	4.4434E-03	4.4521E-03
	2	3.4433E-03	5.2922E-03	-9.8465E-04	-9.8826E-04	5.0795E-03	5.1314E-03
	3	3.0887E-03	5.9939E-03	-7.6497E-04	-7.9144E-04	5.6342E-03	5.6881E-03
	4	2.6963E-03	3.9652E-03	-1.4387E-03	-1.4258E-03	4.0244E-03	4.4736E-03
	5	1.8029E-03	2.4507E-03	-1.5520E-03	-1.4242E-03	3.5173E-03	3.5639E-03
	6	1.1884E-03	1.5634E-03	-9.3469E-04	-8.6785E-04	3.2449E-03	3.2491E-03
	7	1.0813E-03	1.3282E-03	-1.5473E-03	-1.5105E-03	3.3824E-03	3.4067E-03
	8	3.4118E-04	4.1575E-04	-8.4966E-04	-8.8675E-04	4.1072E-03	4.1419E-03
	9	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CPP/SB	CT'/SB	CT'/SR	CX/SB	CX/SR	CP/SE
38	1	2.5028E-03	6.8518E-02	6.7757E-02	2.8842E-03	1.5546E-03	1.4228E-02
	2	3.1038E-03	7.0437E-02	7.0568E-02	3.9649E-03	2.1196E-03	1.4259E-02
	3	3.6046E-03	7.1744E-02	7.2301E-02	3.8285E-03	1.6597E-03	1.4547E-02
	4	2.5184E-03	6.8802E-02	6.8844E-02	2.8854E-03	1.5593E-03	1.4281E-02
	5	2.2261E-03	7.1437E-02	6.9401E-02	1.8968E-03	1.1419E-03	1.1949E-02
	6	1.9773E-03	6.9574E-02	6.7423E-02	1.3547E-03	8.2335E-04	1.4243E-02
	7	1.9297E-03	7.2047E-02	7.0863E-02	5.3678E-04	2.6315E-04	2.1628E-02
	8	2.0158E-03	7.2164E-02	7.1711E-02	4.3375E-05	-3.3614E-05	4.0803E-02
	9	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00

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TABLE 9.- CONTINUED

a) Concluded

RUN	TP	CDE/SR	L/QD2SB	L/QD2SR	X/QD2SB	X/QD2SR	P/QD2SR
38	1	1.1718E-02	1.1547E+00	1.1418E+00	4.8605E-02	2.6198E-02	2.2096E-01
	2	1.2249E-02	8.6750E-01	8.6911E-01	4.8831E-02	2.6104E-02	1.7518E-01
	3	1.2854E-02	7.3364E-01	7.3933E-01	3.9149E-02	1.6971E-02	1.4704E-01
	4	1.1777E-02	1.1568E+00	1.1440E+00	4.8612E-02	2.6066E-02	2.2137E-01
	5	1.2887E-02	1.2386E+00	1.6890E+00	4.6145E-02	2.7792E-02	3.3696E-01
	6	1.4989E-02	2.5882E+00	2.5083E+00	5.0399E-02	3.0630E-02	5.8027E-01
	7	2.2661E-02	4.8592E+00	4.7793E+00	3.6198E-02	1.7748E-02	1.4949E+00
	8	4.1224E-02	1.1211E+01	1.1140E+01	6.7381E-03	-5.2217E-03	6.3453E+00
	9	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	P/QD2SR	DE/QD2SR	DF/QD2SR	Y/QD2SR	Y/QD2SR	LB
38	1	2.2367E-01	1.7236E-01	1.9747E-01	-2.2625E-02	-2.2409E-02	1.4144E+03
	2	1.7697E-01	1.2634E-01	1.5086E-01	-1.2127E-02	-1.2171E-02	1.4323E+03
	3	1.4841E-01	1.0786E-01	1.3144E-01	-7.8224E-03	-7.2515E-03	1.4332E+03
	4	2.2408E-01	1.7286E-01	1.9682E-01	-2.4189E-02	-2.3973E-02	1.4165E+03
	5	3.4142E-01	2.9081E-01	3.1363E-01	-3.7771E-02	-3.4662E-02	1.4858E+03
	6	5.8827E-01	5.2987E-01	5.5764E-01	-3.4772E-02	-3.2286E-02	1.4504E+03
	7	1.5056E+00	1.4587E+00	1.4879E+00	-1.9436E-01	-1.1388E-01	1.5181E+03
	8	6.3987E+00	6.3385E+00	6.4040E+00	-1.3199E-01	-1.3775E-01	1.5192E+03
	9	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	-1.3268E+01
RUN	TP	LR	XB	XR	DEB	DER	TR
38	1	1.3987E+03	5.9538E+01	3.2991E+01	2.1113E+02	2.4189E+02	1.3968E+03
	2	1.4356E+03	8.6266E+01	4.3102E+01	2.0861E+02	2.4909E+02	1.4316E+03
	3	1.4443E+03	7.6479E+01	3.3154E+01	2.1076E+02	2.5677E+02	1.4399E+03
	4	1.4008E+03	5.9406E+01	3.1919E+01	2.1168E+02	2.4248E+02	1.3988E+03
	5	1.4434E+03	3.9435E+01	2.3751E+01	2.4853E+02	2.6803E+02	1.4427E+03
	6	1.4053E+03	2.8237E+01	1.7161E+01	2.9687E+02	3.1242E+02	1.4053E+03
	7	1.4932E+03	1.1309E+01	5.5450E+00	4.5573E+02	4.6485E+02	1.4929E+03
	8	1.5097E+03	9.1317E-01	-7.0765E-01	8.5901E+02	8.6788E+02	1.5097E+03
	9	-1.3268E+01	1.2498E+00	1.2498E+00	-1.2498E+00	-1.2498E+00	-1.3256E+01
RUN	TP	PMR	HR	SFR	RMR	OR	A1-CURR
38	1	5.1043E+01	7.9695E+01	-2.7449E+01	-4.7691E+01	7.8465E+02	-4.7191E+00
	2	8.8870E+01	1.0762E+02	-2.0096E+01	-1.9289E+01	8.7829E+02	-5.9884E+00
	3	8.0251E+01	1.1794E+02	-1.4166E+01	-2.6036E+00	9.5639E+02	-7.2535E+00
	4	5.4572E+01	8.1637E+01	-2.9356E+01	-5.3159E+01	7.0592E+02	-4.6400E+00
	5	3.5722E+00	5.0971E+01	-2.9622E+01	-4.4884E+01	6.2394E+02	-4.9756E+00
	6	-1.1014E+01	3.2586E+01	-1.8089E+01	-6.5989E-02	5.7401E+02	-3.2441E+00
	7	1.7122E+01	2.7987E+01	-3.1829E+01	-2.9035E+01	6.0421E+02	-2.3272E+00
	8	-6.6589E+00	8.7527E+00	-1.8668E+01	5.6739E+01	7.3394E+02	-2.2801E+00
	9	1.3277E+00	-1.3659E+00	1.2164E+00	-1.9817E+00	1.0804E+00	-3.1467E-01
RUN	TP	B1-CORR	THETA.75	A <sub>IC</sub>	B <sub>IS</sub>	TOROUF	X/LB
38	1	-2.3623E+00	7.7800E+00	-3.5031E+00	-3.9469E+00	6.9848E+02	4.2095E-02
	2	-1.9020E+00	9.4639E+00	-3.3871E+00	-5.2921E+00	8.7188E+02	5.6294E-02
	3	-1.5726E+00	1.0454E+01	-3.3964E+00	-6.5994E+00	9.4929E+02	5.3363E-02
	4	-2.3952E+00	7.7479E+00	-3.5148E+00	-3.8629E+00	7.0044E+02	4.1937E-02
	5	-2.5889E+00	7.0045E+00	-3.5612E+00	-3.2878E+00	6.1849E+02	2.6541E-02
	6	-2.4787E+00	6.2236E+00	-3.2339E+00	-2.4929E+00	5.6484E+02	1.9473E-02
	7	-3.3276E+00	6.6205E+00	-3.8166E+00	-1.3867E+00	5.9904E+02	7.4493E-03
	8	-3.3186E+00	7.6145E+00	-3.7957E+00	-1.3435E+00	7.2856E+02	6.0107E-04
	9	-1.8710E+00	4.8712E+00	-1.8887E+00	1.8030E-01	8.6220E-01	-9.4197E-02
RUN	TP	X/LR	L/DEB	L/DER	ALPHAS	ALPHASC	
38	1	2.2944E-02	6.6992E+00	5.7822E+00	-4.5799E+00	-4.5799E+00	
	2	3.0036E-02	6.8661E+00	5.7610E+00	-6.0193E+00	-6.0193E+00	
	3	2.2955E-02	6.8621E+00	5.6248E+00	-5.9975E+00	-5.9975E+00	
	4	2.2786E-02	6.6919E+00	5.7772E+00	-4.6454E+00	-4.6454E+00	
	5	1.6454E-02	5.9784E+00	5.3855E+00	-2.9660E+00	-2.9660E+00	
	6	1.2212E-02	4.8845E+00	4.4980E+00	-2.0283E+00	-2.0283E+00	
	7	3.7135E-03	3.3313E+00	3.2122E+00	-1.2867E+00	-1.2867E+00	
	8	-4.6874E-04	1.7686E+00	1.7395E+00	-3.0533E-01	-3.0533E-01	
	9	-9.4197E-02	1.0616E+01	1.0616E+01	-5.0161E-01	-5.0161E-01	

TABLE 9.- CONTINUED

## b) Block B data

RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 TORMUE	1	6.9613E+02	7.6952E+02	229.2	6.4650E+02	6.1548E+01
	2	8.6609E+02	9.4120E+02	250.5	7.6645E+02	8.7375E+01
	3	9.5749E+02	1.0977E+03	342.3	7.9423E+02	1.5176E+02
	4	6.9862E+02	7.6683E+02	230.3	6.4880E+02	5.9817E+01
	5	6.1393E+02	6.7409E+02	36.7	5.5874E+02	5.7675E+01
	6	5.6315E+02	6.1124E+02	36.8	5.1046E+02	5.0394E+01
	7	5.9917E+02	6.4248E+02	308.3	5.5089E+02	4.5795E+01
	8	7.1299E+02	7.8504E+02	8.2	6.4424E+02	7.0418E+01
	9	9.5806E-01	1.9161E+00	97.9	1.9161E-01	8.6226E-01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 003FB13	1	3.9345E+02	5.8207E+02	65.2	2.3531E+02	1.7338E+02
	2	3.8297E+02	5.6866E+02	22.4	1.8947E+02	1.8959E+02
	3	3.8004E+02	6.5108E+02	114.8	1.9644E+02	2.7232E+02
	4	3.7663E+02	6.6744E+02	65.5	2.2849E+02	1.6948E+02
	5	3.9808E+02	6.2694E+02	328.9	2.4348E+02	1.8173E+02
	6	4.1271E+02	6.3547E+02	201.1	1.6374E+02	2.3586E+02
	7	4.2439E+02	6.7180E+02	329.7	1.7155E+02	2.5013E+02
	8	4.1186E+02	6.5766E+02	115.3	1.5497E+02	2.5135E+02
	9	2.9262E+02	6.8278E+02	206.5	-8.5347E-01	3.8406E+02
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 003FB46	1	-1.2130E+02	7.3220E+01	257.6	-3.4816E+02	2.1069E+02
	2	-1.2573E+02	1.8191E+02	250.4	-3.5293E+02	2.6740E+02
	3	-1.2969E+02	2.3380E+02	256.9	-3.9793E+02	3.1586E+02
	4	-1.2189E+02	6.9327E+01	258.9	-3.3995E+02	2.0464E+02
	5	-1.1969E+02	6.6533E+01	307.5	-3.2462E+02	1.9558E+02
	6	-1.2012E+02	6.7718E+01	308.2	-3.0719E+02	1.8745E+02
	7	-1.2240E+02	4.9359E+01	222.5	-3.4821E+02	1.7878E+02
	8	-1.2361E+02	5.3921E+01	265.4	-2.4531E+02	1.4961E+02
	9	1.8623E+00	3.1320E+00	238.2	5.0789E-01	1.3124E+02
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 003FB90	1	-7.8772E+01	1.0794E+01	278.9	-2.0352E+02	1.6716E+02
	2	-8.8815E+01	1.1553E+02	278.9	-2.6556E+02	1.9454E+02
	3	-9.6125E+01	1.8241E+02	271.1	-3.5417E+02	2.6829E+02
	4	-7.6722E+01	6.7536E+00	280.3	-2.8277E+02	1.8477E+02
	5	-8.4616E+01	9.4417E+01	286.0	-2.6331E+02	1.7886E+02
	6	-7.5219E+01	1.3828E+02	286.8	-2.3304E+02	1.8566E+02
	7	-8.5194E+01	1.0173E+02	72.4	-2.6118E+02	1.8145E+02
	8	-9.2299E+01	2.7225E+02	65.2	-3.5587E+02	3.1406E+02
	9	-2.4663E+01	-2.2887E+01	254.1	-2.6234E+01	1.6738E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 003CB18	1	-1.6119E+03	-1.2192E+03	104.7	-2.1491E+03	4.6493E+02
	2	-1.6052E+03	-1.0487E+03	207.6	-2.3719E+03	6.4207E+02
	3	-1.5750E+03	-5.8077E+02	207.1	-2.7984E+03	1.1088E+03
	4	-1.6618E+03	-1.3044E+03	108.3	-2.1813E+03	4.3843E+02
	5	-1.6317E+03	-1.1579E+03	171.9	-2.1111E+03	4.7662E+02
	6	-1.6228E+03	-1.1189E+03	165.2	-2.0467E+03	4.6389E+02
	7	-1.5932E+03	-1.1454E+03	165.2	-2.0005E+03	4.2753E+02
	8	-1.6176E+03	-1.2374E+03	165.2	-2.2852E+03	5.2389E+02
	9	3.1168E+00	1.9740E+01	76.8	-1.5584E+01	1.7662E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 003CB90	1	-4.9842E+01	-4.9131E+01	271.7	-5.0474E+01	6.7141E-01
	2	-4.9684E+01	-4.8894E+01	236.0	-5.2553E+01	8.2939E-01
	3	-4.9605E+01	-4.8657E+01	271.0	-5.0632E+01	9.8736E-01
	4	-4.9842E+01	-4.9210E+01	265.9	-5.0474E+01	6.3191E-01
	5	-4.9842E+01	-4.9210E+01	293.1	-5.0316E+01	5.5293E-01
	6	-4.9921E+01	-4.9289E+01	286.7	-5.0395E+01	5.5292E-01
	7	-4.9842E+01	-4.9131E+01	293.8	-5.0237E+01	5.5292E-01
	8	-4.9684E+01	-4.8815E+01	279.5	-5.0395E+01	7.8989E-01
	9	-5.2054E+01	-5.1422E+01	18.5	-5.2528E+01	5.5292E-01

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TABLE 9.- CONTINUED

b) Continued

RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 003HANG	1	-6.7345E+00	-1.7135E+00	136.2	-1.1181E+01	4.7335E+00
	2	-7.5879E+00	-1.0098E+00	129.1	-1.2648E+01	5.8191E+00
	3	-8.3572E+00	-1.2816E+01	128.7	-1.4389E+01	7.1269E+00
	4	-6.5446E+00	-1.6313E+00	136.9	-1.6910E+01	4.6393E+00
	5	-6.4015E+00	-2.0025E+00	136.2	-1.8669E+01	4.3333E+00
	6	-6.1988E+00	-2.4881E+00	158.8	-1.0775E+01	4.3435E+00
	7	-6.6022E+00	-2.9749E+00	158.0	-1.1426E+01	4.2254E+00
	8	-7.6188E+00	-1.7154E+00	57.9	-1.3020E+01	5.6522E+00
	9	-9.9990E+03	-9.9990E+03	-99.0	-9.9990E+03	-9.9990E+03
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 004FB13	1	3.6443E+02	5.7963E+02	67.5	2.0264E+02	1.8650E+02
	2	3.7224E+02	5.2452E+02	60.4	1.6009E+02	1.8222E+02
	3	3.5443E+02	6.1596E+02	60.0	7.9617E+01	2.6817E+02
	4	3.5541E+02	5.6122E+02	68.3	1.9020E+02	1.8551E+02
	5	3.9626E+02	6.1072E+02	334.9	2.2776E+02	1.9148E+02
	6	3.9784E+02	6.2218E+02	327.9	1.7850E+02	2.2184E+02
	7	4.0381E+02	6.9156E+02	203.7	7.6569E+01	3.7740E+02
	8	3.9552E+02	8.3872E+02	118.6	1.7204E+02	3.3334E+02
	9	-2.1946E+00	1.2193E-01	135.0	-4.8774E+00	2.4995E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 004FB18	1	5.8806E+01	2.2714E+02	67.5	-1.6674E+02	1.0394E+02
	2	6.3584E+01	2.5679E+02	238.6	-1.4787E+02	2.0233E+02
	3	6.1746E+01	3.7881E+02	237.7	-2.4613E+02	3.1247E+02
	4	5.2680E+01	2.2175E+02	68.3	-1.7813E+02	1.9994E+02
	5	7.4488E+01	3.0910E+02	327.7	-1.1971E+02	2.9494E+02
	6	7.3998E+01	3.1878E+02	327.8	-1.3662E+02	2.2769E+02
	7	7.9266E+01	3.4414E+02	327.8	-2.1048E+02	2.7731E+02
	8	8.4411E+01	4.6824E+02	117.9	-1.0475E+02	2.6658E+02
	9	-1.1026E+00	8.5759E-01	127.1	-3.4303E+00	2.1440E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 004FB38	1	1.1961E+02	3.1661E+02	334.8	-1.8914E+02	2.5287E+02
	2	1.1257E+02	3.5882E+02	252.8	-1.7162E+02	2.6522E+02
	3	1.0871E+02	4.4325E+02	244.8	-2.4363E+02	3.4344E+02
	4	1.1809E+02	3.1482E+02	335.1	-1.8721E+02	2.5101E+02
	5	1.2471E+02	3.3041E+02	320.5	-1.2761E+02	2.2901E+02
	6	1.2333E+02	3.3123E+02	313.5	-1.1809E+02	2.2466E+02
	7	1.2678E+02	3.0971E+02	313.5	-6.6771E+01	1.8824E+02
	8	1.4389E+02	3.6379E+02	246.5	-1.5451E+01	1.8962E+02
	9	0.0000E+00	1.9314E+00	45.0	-2.8971E+00	2.4142E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 004FB46	1	1.3568E+02	3.3280E+02	320.5	-1.4253E+02	2.1767E+02
	2	1.2834E+02	3.4829E+02	252.7	-1.1437E+02	2.2933E+02
	3	1.2665E+02	3.9841E+02	244.7	-1.3667E+02	2.6734E+02
	4	1.3131E+02	3.1504E+02	335.1	-1.4759E+02	2.3131E+02
	5	1.3350E+02	3.2258E+02	313.3	-7.7320E+01	1.9995E+02
	6	1.3638E+02	3.3955E+02	225.0	-7.7717E+01	2.0863E+02
	7	1.3777E+02	3.1881E+02	225.0	-3.7816E+01	1.7831E+02
	8	1.5752E+02	3.4739E+02	225.0	-1.9851E+01	1.7380E+02
	9	1.9851E-01	4.5657E+00	291.2	-4.1687E+00	4.3672E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 004FB53	1	-6.8297E+01	9.5698E+01	320.4	-2.7747E+02	1.8658E+02
	2	-7.1506E+01	1.5379E+02	259.8	-2.8335E+02	2.1707E+02
	3	-7.7019E+01	2.2044E+02	258.9	-3.0585E+02	2.6315E+02
	4	-6.7639E+01	1.0170E+02	320.7	-2.6899E+02	1.8535E+02
	5	-6.8626E+01	1.0705E+02	306.2	-2.7146E+02	1.8926E+02
	6	-6.3278E+01	1.1742E+02	306.3	-2.2670E+02	1.7206E+02
	7	-6.1056E+01	1.0450E+02	225.0	-2.8100E+02	1.9275E+02
	8	-4.2130E+01	1.3445E+02	260.7	-1.7617E+02	1.5531E+02
	9	-2.4686E-01	1.0697E+00	116.5	-1.3166E+00	1.1931E+00

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TABLE 9.- CONTINUED

b) Continued

RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 004FB99	1	0.0000E+00	0.0000E+00	7.6	0.0000E+00	0.0000E+00
	2	0.0000E+00	0.0000E+00	14.7	0.0000E+00	0.0000E+00
	3	0.0000E+00	0.0000E+00	7.6	0.0000E+00	0.0000E+00
	4	0.0000E+00	0.0000E+00	43.5	0.0000E+00	0.0000E+00
	5	0.0000E+00	0.0000E+00	250.0	0.0000E+00	0.0000E+00
	6	0.0000E+00	0.0000E+00	336.3	0.0000E+00	0.0000E+00
	7	0.0000E+00	0.0000E+00	7.6	0.0000E+00	0.0000E+00
	8	0.0000E+00	0.0000E+00	129.1	0.0000E+00	0.0000E+00
	9	0.0000E+00	0.0000E+00	349.4	0.0000E+00	0.0000E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 004CB18	1	0.0000E+00	0.0000E+00	341.7	0.0000E+00	0.0000E+00
	2	0.0000E+00	0.0000E+00	298.9	0.0000E+00	0.0000E+00
	3	0.0000E+00	0.0000E+00	341.5	0.0000E+00	0.0000E+00
	4	0.0000E+00	0.0000E+00	132.5	0.0000E+00	0.0000E+00
	5	0.0000E+00	0.0000E+00	277.6	0.0000E+00	0.0000E+00
	6	0.0000E+00	0.0000E+00	329.5	0.0000E+00	0.0000E+00
	7	0.0000E+00	0.0000E+00	299.9	0.0000E+00	0.0000E+00
	8	0.0000E+00	0.0000E+00	334.8	0.0000E+00	0.0000E+00
	9	0.0000E+00	0.0000E+00	182.6	0.0000E+00	0.0000E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 004CB98	1	0.0000E+00	0.0000E+00	238.3	0.0000E+00	0.0000E+00
	2	0.0000E+00	0.0000E+00	327.4	0.0000E+00	0.0000E+00
	3	0.0000E+00	0.0000E+00	45.5	0.0000E+00	0.0000E+00
	4	0.0000E+00	0.0000E+00	356.4	0.0000E+00	0.0000E+00
	5	0.0000E+00	0.0000E+00	277.5	0.0000E+00	0.0000E+00
	6	0.0000E+00	0.0000E+00	17.6	0.0000E+00	0.0000E+00
	7	0.0000E+00	0.0000E+00	239.1	0.0000E+00	0.0000E+00
	8	0.0000E+00	0.0000E+00	19.4	0.0000E+00	0.0000E+00
	9	0.0000E+00	0.0000E+00	301.8	0.0000E+00	0.0000E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 004PANG	1	0.0000E+00	0.0000E+00	74.3	0.0000E+00	0.0000E+00
	2	0.0000E+00	0.0000E+00	45.8	0.0000E+00	0.0000E+00
	3	0.0000E+00	0.0000E+00	313.4	0.0000E+00	0.0000E+00
	4	0.0000E+00	0.0000E+00	46.5	0.0000E+00	0.0000E+00
	5	0.0000E+00	0.0000E+00	38.6	0.0000E+00	0.0000E+00
	6	0.0000E+00	0.0000E+00	341.8	0.0000E+00	0.0000E+00
	7	0.0000E+00	0.0000E+00	167.6	0.0000E+00	0.0000E+00
	8	0.0000E+00	0.0000E+00	327.5	0.0000E+00	0.0000E+00
	9	0.0000E+00	0.0000E+00	129.7	0.0000E+00	0.0000E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 PTCHLINK	1	-5.8164E+01	-2.4410F+01	67.1	-9.2069E+01	3.3834E+01
	2	-5.7596E+01	-2.6528E+01	45.7	-1.1037E+02	4.1921E+01
	3	-5.7880E+01	8.3699E+00	284.5	-1.2768E+02	6.8923E+01
	4	-5.1922E+01	-2.4117E+01	64.7	-8.9374E+01	3.2628E+01
	5	-5.2915E+01	-2.1705F+01	64.9	-7.9443E+01	2.8859E+01
	6	-5.2489E+01	-2.0712E+01	67.5	-7.4052E+01	2.6674E+01
	7	-5.3199E+01	-1.8442E+01	67.5	-8.2139E+01	3.1842E+01
	8	-5.7313E+01	-1.9101F+01	110.4	-8.8664E+01	3.4827E+01
	9	-1.7024E+03	-2.8373E-01	10.6	-4.5396E+00	2.1279E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 LEADLAG	1	0.0000E+00	0.0000E+00	154.3	0.0000E+00	0.0000E+00
	2	0.0000E+00	0.0000E+00	97.2	0.0000E+00	0.0000E+00
	3	0.0000E+00	0.0000E+00	225.2	0.0000E+00	0.0000E+00
	4	0.0000F+00	0.0000E+00	219.1	0.0000E+00	0.0000E+00
	5	0.0000E+00	0.0000E+00	182.8	0.0000E+00	0.0000E+00
	6	0.0000E+00	0.0000E+00	97.3	0.0000E+00	0.0000E+00
	7	0.0000E+00	0.0000E+00	104.4	0.0000E+00	0.0000E+00
	8	0.0000E+00	0.0000E+00	233.9	0.0000E+00	0.0000E+00
	9	0.0000E+00	0.0000E+00	153.5	0.0000E+00	0.0000E+00

TABLE 9.- CONTINUED

## b) Concluded

RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
38 FLAPANG	1	2.5328E+00	3.2089E+00	138.2	2.0569E+00	5.7597E-01
	2	2.5261E+00	3.1347E+00	145.3	1.7461E+00	6.9433E-01
	3	2.5899E+00	3.4011E+00	208.7	1.7127E+00	8.4423E-01
	4	2.5093E+00	3.1314E+00	153.6	1.9900E+00	5.7067E-01
	5	2.5966E+00	3.2965E+00	24.1	1.7628E+00	7.6689E-01
	6	2.5899E+00	3.3269E+00	24.4	1.8629E+00	7.6203E-01
	7	2.7314E+00	3.2999E+00	24.4	2.1607E+00	5.6961E-01
	8	2.6537E+00	3.6545E+00	312.9	1.3759E+00	1.1393E+00
	9	-1.2700E+01	-1.2682E+01	312.4	-1.2719E+01	1.8057E-02

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TABLE 9.- CONTINUED

c) Block C data

RUN FIRST 1/R	SN	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 TORQUE	1	6.961E+02		1	1.7196E-02	-3.4306E+00	3.4326E+00	270.3
				2	-8.9235E-01	4.6874E-01	9.8150E-01	155.4
				3	1.1565E-01	1.2590E+00	1.2652E+00	84.8
				4	-5.9443E-01	-1.7235E+01	5.3268E+01	198.9
				5	4.134ME+00	8.480ME-01	4.2231E+00	11.6
				6	1.2418E+00	1.1654E-01	1.2473E+00	5.4
				7	3.5814E+00	1.8837E-01	3.5864E+00	3.4
				8	1.6657E+01	1.6581E+00	1.6740E+01	5.7
				9	-1.0367E+00	-7.0859E-01	1.2557E+00	214.4
				10	-9.0411E-01	7.4301E-01	1.2172E+00	142.4
RUN FIRST 1/R		TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 TORQUE	2	8.661E+02		1	1.6812E+00	-3.2053E+00	3.6195E+00	297.7
				2	-1.9849E+00	-2.1271E+00	2.9066E+00	227.2
				3	4.1282E+00	-7.7100E+00	8.7457E+00	298.2
				4	1.0072E+01	-7.8159E+01	7.8805E+01	277.3
				5	2.9889E+00	4.3852E+00	5.3169E+00	55.7
				6	-1.2441E+00	5.4236E+00	5.5645E+00	162.9
				7	4.2274E+00	1.2242E+00	4.4007E+00	16.2
				8	8.0578E+00	9.0295E+00	1.2142E+01	48.3
				9	1.3426E+01	-1.9868E+00	2.3980E+00	304.3
				10	-1.7933E+00	2.1499E+00	2.7997E+00	129.8
RUN FIRST 1/R		TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 TORQUE	3	9.575E+02		1	1.3281E+00	-3.4834E+00	3.7276E+00	296.9
				2	-2.3181E+00	-2.1370E+00	3.1461E+00	222.8
				3	7.7785E+00	-1.2251E+01	1.4512E+01	322.4
				4	2.7148E+01	-1.3864E+02	1.4128E+02	261.1
				5	4.5920E+00	1.7221E+00	4.9036E+00	20.5
				6	-2.4273E+00	5.7608E+00	6.2513E+00	112.8
				7	2.6402E+00	-1.3522E+00	2.9564E+00	332.9
				8	8.1637E+00	3.1675E+00	8.7557E+00	21.2
				9	3.8807E+00	-3.1072E+00	4.3196E+00	314.6
				10	-1.9285E+00	3.0872E+00	3.6439E+00	122.4
RUN FIRST 1/R		TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 TORQUE	4	6.986E+02		1	6.6961E-01	-3.6165E+00	3.6780E+00	286.5
				2	7.6597E-01	4.4912E-01	8.8793E-01	37.4
				3	1.1815E+00	2.1420E+00	2.4487E+00	62.8
				4	-4.0381E+01	-3.1138E+01	5.6992E+01	217.6
				5	9.8676E-02	-4.8503E-01	4.9496E-01	281.5
				6	-4.9040E-01	-1.3884E+00	1.4721E+00	250.5
				7	8.1742E-02	6.7991E-01	6.8481E-01	83.1
				8	1.3783E+01	9.6328E+00	1.6816E+01	34.9
				9	1.2156E-01	1.6817E-01	2.0751E-01	54.1
				10	1.8604E-01	-2.6959E-02	1.8793E-01	351.8
RUN FIRST 1/R		TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 TORQUE	5	6.139E+02		1	1.0140E+00	-4.0235E+00	4.1493E+00	284.1
				2	1.1845E+00	9.3912E-01	1.5116E+00	38.4
				3	3.1559E-01	3.4089E+00	3.4235E+00	84.7
				4	-2.6867E+01	4.0881E+01	4.8919E+01	123.3
				5	2.7615E-01	-2.9912E+00	3.4039E+00	275.3
				6	1.1608E+00	-2.6053E+00	2.8522E+00	294.4
				7	-9.9904E-01	-2.2998E+00	2.5274E+00	246.5
				8	7.1967E+00	-9.8260E+00	1.2180E+01	366.2
				9	-1.8725E+00	4.3978E-01	1.9234E+00	166.8
				10	-1.1261E-01	-5.0007E-01	5.1260E-01	257.3

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TABLE 9.- CONTINUED

c) Block C data

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 TORQUE	6	5.631E+02	1	3.5994E+00	-3.8489E+00	5.2697E+00	313.1
			2	1.3837E+00	3.2826E-01	1.4221E+00	13.3
			3	2.1389E+00	3.2646E+00	3.9029E+00	56.8
			4	-3.3477E+01	2.6529E+01	4.2739E+01	141.6
			5	-8.6839E-01	4.0574E-01	9.5850E-01	155.9
			6	-1.2359E+00	4.4261E-01	1.3127E+00	160.3
			7	-9.7979E-01	-8.1168E-01	1.2723E+00	219.6
			8	7.4863E+00	1.3800E+00	7.6125E+00	12.4
			9	-1.9488E+00	2.4136E-01	1.9244E+00	172.8
			10	-5.7767E-02	-3.8692E-02	6.9527E-02	213.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 TORQUE	7	5.992E+02	1	2.9166E+00	-4.5044E+00	5.3629E+00	342.9
			2	1.4741E+00	9.9326E-01	1.4775E+00	3.8
			3	1.8600E+00	2.1714E+00	2.8591E+00	49.4
			4	-2.3718E+01	2.4952E+01	3.4426E+01	133.5
			5	-7.4945E+01	9.2334E+01	1.1644E+00	127.5
			6	-3.3724E+01	6.0147E+01	6.8957E+01	119.3
			7	-1.9491E+00	-6.9737E+01	2.4730E+00	190.7
			8	1.5320E+01	3.6742E+00	1.5754E+00	13.5
			9	-1.6541E+00	-1.6042E+00	1.9195E+00	236.7
			10	1.3633E-01	-1.7800E+01	2.2424E+01	347.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 TORQUE	8	7.130E+02	1	-1.5038E+00	-5.6673E+00	5.8634E+00	255.1
			2	1.1093E+00	1.4988E+00	1.8647E+00	53.5
			3	-7.2240E-01	9.7042E+01	1.2908E+00	125.7
			4	2.5980E+01	4.2229E+01	4.9584E+01	54.4
			5	-1.2326E+00	1.3575E+00	1.8412E+00	132.0
			6	-1.0614E+00	1.2063E+00	1.6068E+00	131.3
			7	2.1168E+00	-2.4484E+01	2.1369E+00	353.4
			8	1.9532E+01	1.4779E+01	2.4493E+01	37.1
			9	1.5872E+00	4.0236E+00	4.3254E+00	68.5
			10	1.3626E+00	1.6428E+00	2.1344E+00	54.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB13	1	3.935E+02	1	-3.3027E+01	2.3754E+01	4.6682E+01	144.3
			2	1.1528E+01	3.0954E+01	3.3031E+01	69.6
			3	1.6944E+01	-4.0022E+01	4.1491E+01	285.3
			4	2.6193E+01	-2.9819E+01	3.9675E+01	311.3
			5	-2.2843E+01	-4.7598E+01	5.5144E+01	239.7
			6	5.4233E+01	2.1018E+01	5.8163E+01	21.2
			7	-8.8678E+00	2.1527E+01	2.3282E+01	112.4
			8	-3.9353E+01	2.4652E+01	4.6437E+01	147.9
			9	-9.2028E+00	-1.1766E+01	1.4938E+01	232.6
			10	-2.8568E+00	-5.7712E+01	2.9145E+00	191.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB13	2	3.834E+02	1	-2.3227E+01	2.0186E+01	3.3773E+01	139.5
			2	1.8717E+01	4.3529E+01	4.7374E+01	68.7
			3	3.7006E+01	2.4412E+01	4.4333E+01	33.4
			4	1.3946E+01	2.1420E+01	2.5564E+01	56.9
			5	-6.9087E+00	3.3901E+01	6.9174E+01	177.2
			6	9.3946E+01	3.0182E+01	4.7818E+01	18.0
			7	-6.7729E+00	3.4729E+01	4.5384E+01	141.6
			8	-3.5754E+01	1.7560E+01	3.9833E+01	153.8
			9	-7.8709E+00	-1.2106E+01	1.4439E+01	237.3
			10	-1.5835E+01	-5.7721E+00	1.6554E+01	242.1

TABLE 9.- CONTINUED

## c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB13	3	3.800E+02	1	9.9170E+01	-1.3907E+01	1.7481E+01	345.5
			2	1.4964E+01	4.3258E+01	4.5773E+01	74.9
			3	2.9116E+01	4.7908E+01	5.6462E+01	58.7
			4	1.2619E+00	2.1039E+01	2.1475E+01	86.7
			5	-6.3092E+01	4.5445E+01	7.5341E+01	142.9
			6	1.5652E+02	-1.4410E+00	1.5653E+02	359.5
			7	1.6442E+01	4.8804E+01	5.1499E+01	71.4
			8	-1.9535E+01	4.3017E+01	4.7245E+01	114.4
			9	-3.6695E+00	-9.0458E+00	9.7617E+00	247.9
			10	-1.8464E+01	1.8997E+00	1.8561E+01	174.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB13	4	3.766E+02	1	-3.3196E+01	1.9896E+01	3.8712E+01	149.1
			2	2.2573E+00	3.2995E+01	3.2974E+01	86.4
			3	1.5273E+01	-3.3585E+01	3.6895E+01	294.5
			4	2.4885E+01	-2.6853E+01	3.2467E+01	324.0
			5	-8.7124E+00	-5.3229E+01	5.3744E+01	261.7
			6	4.5177E+01	2.7857E+01	5.3575E+01	31.7
			7	-3.1208E+00	1.7831E+01	1.8112E+01	99.9
			8	-4.8281E+01	7.3439E+00	4.8836E+01	171.4
			9	-3.3447E+00	-1.3768E+01	1.4168E+01	250.3
			10	-8.1914E+00	-1.3271E+00	6.2982E+00	189.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB13	5	3.981E+02	1	-2.6106E+01	9.1703E+00	2.7069E+01	160.6
			2	-3.3881E+00	2.5215E+01	2.5141E+01	97.7
			3	-2.1435E+01	-3.7224E+01	4.2955E+01	240.1
			4	3.5085E+00	-2.3582E+01	2.3841E+01	278.5
			5	-1.1936E+00	-1.5667E+01	1.5713E+01	265.6
			6	-7.4374E+00	6.2565E+01	6.2959E+01	96.4
			7	1.4564E+00	2.0311E+01	2.0353E+01	85.9
			8	8.7889E-01	3.1024E+01	3.1037E+01	86.4
			9	3.6954E+00	3.2722E+01	3.2930E+01	83.6
			10	7.6216E+00	3.3098E+00	8.3192E+00	23.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB13	6	4.127E+02	1	-3.7242E+01	1.0002E+00	3.7255E+01	170.5
			2	-8.7576E+00	1.8028E+01	2.0243E+01	115.9
			3	-1.4694E+01	-7.6882E+01	7.8273E+01	259.2
			4	1.8701E+01	-2.4992E+01	3.1215E+01	306.3
			5	9.8992E-01	-3.6531E+01	3.6544E+01	271.6
			6	1.9333E+01	5.9982E+01	6.3421E+01	72.1
			7	-8.2317E+01	2.1072E+01	2.1088E+01	92.2
			8	-2.3823E+01	1.4251E+00	2.3866E+01	176.5
			9	2.2495E+01	4.3831E+01	4.9266E+01	62.8
			10	-1.3718E+00	2.3171E+01	2.3211E+01	93.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB13	7	4.243E+02	1	-5.5860E+01	2.5485E+01	6.1399E+01	155.5
			2	-1.4694E+01	1.2493E+01	1.9287E+01	139.6
			3	-5.5933E+00	-9.2271E+01	9.2448E+01	266.5
			4	1.4154E+01	-1.2953E+01	1.9186E+01	317.5
			5	-9.7827E+00	-3.1815E+01	3.3285E+01	252.9
			6	6.8048E-01	6.1555E+01	6.1559E+01	89.4
			7	2.7527E+00	3.0268E+01	3.0393E+01	84.8
			8	-4.4620E+01	3.1431E+01	5.4579E+01	144.8
			9	4.4343E+00	5.7536E+01	5.7706E+01	85.6
			10	-1.4326E+01	3.3297E+01	3.6248E+01	113.3

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TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB13	8	4.119E+02	1	-7.2374E+01	2.2690E+00	7.2405E+01	178.2
			2	-1.9084E+01	8.5922E+00	2.8929E+01	155.8
			3	2.5737E+01	6.8258E+00	2.6627E+01	14.9
			4	-2.1418E+01	2.5979E+01	3.3669E+01	129.5
			5	5.8814E+00	4.1640E+01	4.2413E+01	82.6
			6	-1.5533E+01	-7.0987E+01	7.2667E+01	257.7
			7	-1.2823E+01	2.3588E+01	2.6348E+01	118.5
			8	-1.0209E+02	1.4597E+01	1.0313E+02	171.9
			9	2.7533E+01	2.1311E+01	3.4817E+01	37.7
			10	-1.7629E+01	2.6128E+01	3.1519E+01	124.0
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB46	1	-1.213E+02	1	6.0091E+01	-1.7193E+02	1.8243E+02	289.5
			2	-1.7555E+01	3.8555E+01	4.2363E+01	114.5
			3	2.4411E+01	-3.4419E+01	4.2197E+01	305.3
			4	1.8385E+00	-1.0519E+01	1.4678E+01	279.9
			5	-1.5867E+00	-7.2873E+01	1.7461E+00	294.7
			6	-4.4415E+00	4.5165E+00	6.3345E+00	225.5
			7	-1.5392E+00	-4.2703E+00	4.5392E+00	254.2
			8	1.5143E+01	-1.1819E+01	1.9210E+01	322.1
			9	-5.8131E+01	8.4267E+00	8.4467E+01	93.9
			10	2.4520E+00	-2.6149E+00	3.5847E+00	313.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB46	2	-1.257E+02	1	7.3726E+01	-1.8957E+02	2.4344E+02	291.3
			2	-1.9121E+01	7.8791E+01	8.1078E+01	103.6
			3	7.7784E+01	2.4819E+01	8.1645E+01	17.7
			4	3.6417E+00	-8.7725E+00	9.4984E+00	292.5
			5	9.6131E+01	-7.3362E+01	1.2389E+01	322.7
			6	-4.7707E+00	-5.9012E+00	7.5884E+00	231.2
			7	-7.0238E+02	-1.1003E+01	1.3054E+01	237.4
			8	6.9721E+00	-1.2062E+01	1.3932E+01	364.0
			9	-5.5638E+00	6.3607E+00	8.4547E+00	131.2
			10	3.1309E+00	8.3139E+02	3.1320E+00	1.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB46	3	-1.296E+02	1	9.5754E+01	-2.1131E+02	2.3209E+02	294.4
			2	-4.6217E+01	9.6898E+01	1.3736E+02	115.5
			3	7.7690E+01	4.0506E+01	9.2122E+01	32.5
			4	-2.1692E+00	-1.2915E+01	1.3125E+01	268.5
			5	3.4426E+00	2.1625E+00	4.4762E+00	32.4
			6	-5.3941E+00	-6.4167E+00	8.3827E+00	229.9
			7	-1.0089E+01	-1.2034E+01	1.5739E+01	234.9
			8	-6.8522E+01	-1.8109E+01	1.8122E+01	267.8
			9	-2.7187E+00	3.6393E+01	4.5427E+01	126.8
			10	3.6912E+00	-2.7922E+00	4.6283E+00	322.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB46	4	-1.219E+02	1	6.9050E+01	-1.6905E+02	1.8261E+02	292.2
			2	-2.2394E+01	3.4675E+01	4.1278E+01	122.9
			3	2.5176E+01	-2.9262E+01	3.8602E+01	314.7
			4	2.6310E+00	-1.1440E+01	1.1741E+01	282.8
			5	3.5587E+01	-2.3566E+00	2.3833E+01	278.6
			6	-5.8516E+00	-6.3249E+00	8.6166E+00	227.2
			7	-4.7544E+02	-6.6561E+02	6.6562E+02	269.6
			8	1.6872E+01	-5.9622E+00	1.7895E+01	340.5
			9	-1.0712E+00	4.5785E+00	4.7621E+00	103.2
			10	1.7068E+00	-1.3949E+00	2.1485E+00	322.6

TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB46	5	-1.197E+02	1	2.4135E+01	-1.4736E+02	1.4933E+02	279.3
			2	-2.6331E+01	3.6569E+01	4.5062E+01	125.8
			3	-2.7101E+01	-1.9459E+01	3.3363E+01	215.7
			4	1.4591E+00	8.4547E-01	1.6864E+00	30.1
			5	-7.2825E+00	2.7542E+00	7.7859E+00	159.3
			6	4.5521E+00	-3.9564E+00	6.0311E+00	319.0
			7	-2.3683E+00	-4.4929E+00	5.4789E+00	242.2
			8	1.2792E+00	-1.3532E+01	1.3593E+01	275.4
			9	-4.4730E+00	-1.4142E+01	1.4832E+01	252.4
			10	-9.3652E-01	-5.2906E+00	5.3729E+00	260.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB46	6	-1.201E+02	1	1.4142E+01	-1.1645E+02	1.1731E+02	276.9
			2	-3.2172E+01	2.3178E+01	3.9552E+01	144.2
			3	-2.5715E+01	-7.1363E+01	7.5654E+01	256.2
			4	1.6984E-01	-2.9625E-02	1.1376E-01	344.9
			5	-3.8608E+00	7.7783E-01	3.1581E+00	165.7
			6	7.7176E-01	-3.8833E+00	3.9593E+00	281.2
			7	2.0037E-01	-7.4217E+00	7.4244E+00	271.5
			8	7.6825E+00	-1.7105E+00	7.8707E+00	347.4
			9	-1.0761E+01	-2.0741E+01	2.3366E+01	242.5
			10	-6.2203E-01	-9.6123E+00	9.6324E+00	266.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB46	7	-1.224E+02	1	-1.8556E+01	-8.3941E+01	8.5968E+01	257.5
			2	-4.8801E+01	2.0180E+01	5.2809E+01	157.5
			3	-2.1965E+01	-8.3222E+01	8.6072E+01	255.2
			4	-1.3299E+00	5.6459E+00	5.8163E+00	143.3
			5	-4.8566E+00	2.8874E+00	5.6570E+00	149.3
			6	3.5576E+00	-2.4527E+00	4.3211E+00	325.4
			7	3.4537E-01	-9.5121E+00	9.5184E+00	272.1
			8	1.4672E+01	-1.5043E+01	2.1014E+01	314.3
			9	-3.1406E+00	-2.8529E+01	2.8701E+01	263.7
			10	7.3710E+00	-1.5233E+01	1.6923E+01	295.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB46	8	-1.236E+02	1	-4.5127E+01	-5.4760E+01	7.4958E+01	234.5
			2	-5.8554E+01	9.7529E+00	5.9362E+01	178.5
			3	2.5679E+01	7.9750E+00	2.6889E+01	17.3
			4	-1.9112E+00	1.8768E+01	1.8865E+01	95.8
			5	-4.3384E+01	1.0174E+01	1.1057E+01	113.1
			6	-5.8288E+00	9.3165E-01	5.8832E+00	170.9
			7	4.0491E+00	-1.2251E+01	1.2973E+01	288.3
			8	3.8043E+01	-1.1780E+01	3.9824E+01	342.8
			9	-1.7331E+01	-1.5202E+01	2.3454E+01	221.3
			10	4.7735E+00	-1.5989E+01	1.6636E+01	286.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB99	1	-7.877E+01	1	-1.0804E+01	-5.6343E+01	5.7369E+01	259.1
			2	-1.3957E+01	-6.0258E+00	1.5243E+01	203.4
			3	4.1601E+01	2.2370E+01	2.2374E+01	88.9
			4	-1.3481E+01	9.6349E+00	1.6246E+01	143.6
			5	-2.1846E+00	1.4095E+01	1.4264E+01	98.8
			6	-1.3536E+01	9.9088E+00	1.3566E+01	176.2
			7	-2.4583E+00	4.7302E+00	5.3338E+00	117.5
			8	-2.7503E+01	8.6135E+00	2.8821E+01	162.6
			9	-1.2787E+01	-2.0616E+01	2.4260E+01	238.2
			10	-1.1255E+00	-5.9573E+00	6.4627E+00	259.3

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TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB90	2	-8.881E+01	1	-7.9741E+00	-6.6771E+01	6.7245E+01	263.2
			2	-2.6465E+01	-1.2918E+01	2.9459E+01	206.0
			3	2.5513E+01	2.7856E+01	3.7774E+01	47.5
			4	-1.6364E+01	4.6720E+01	1.7018E+01	164.1
			5	-2.3696E+01	-6.9660E+00	2.4699E+01	196.4
			6	-5.3338E+01	-3.3261E+00	5.3442E+01	183.6
			7	-1.1967E+01	5.8950E+00	1.3340E+01	153.8
			8	-1.1805E+01	2.5700E+01	2.8282E+01	114.7
			9	-6.5045E+00	3.9927E+00	7.6322E+00	148.5
			10	-1.8494E+00	2.1535E+00	2.8386E+00	130.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB90	3	-9.612E+01	1	3.9793E+00	-7.4413E+01	7.4519E+01	273.1
			2	-4.0123E+01	-1.6956E+01	4.3558E+01	202.9
			3	3.6944E+01	3.8252E+01	5.3180E+01	46.0
			4	-9.2384E+00	9.4857E+00	1.3241E+01	134.2
			5	-1.9539E+01	-2.4132E+01	3.1451E+01	231.6
			6	-8.0338E+01	2.3497E+01	8.3704E+01	163.7
			7	-1.7474E+01	-8.3851E+01	1.7494E+01	182.7
			8	-2.9103E+01	3.1826E+01	3.1827E+01	90.5
			9	-1.4647E+01	1.3702E+01	2.0457E+01	136.0
			10	-7.1774E+00	1.6582E+01	1.8069E+01	113.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB90	4	-7.672E+01	1	-4.0564E+00	-5.6101E+01	5.6247E+01	265.9
			2	-1.1703E+01	-1.0516E+01	1.5733E+01	221.9
			3	1.5785E+00	2.1842E+01	2.1899E+01	85.9
			4	-1.5092E+01	7.2908E+00	1.6761E+01	154.2
			5	-1.2837E+00	1.2247E+01	1.2314E+01	96.4
			6	-1.4544E+01	-3.5455E+01	1.4548E+01	181.4
			7	4.9761E+01	3.4040E+00	3.4441E+00	81.7
			8	-3.1001E+01	7.2462E+01	3.1411E+01	178.7
			9	-3.4398E+00	-2.2545E+01	2.2896E+01	261.3
			10	-1.7111E+00	-7.1046E+02	7.3077E+00	256.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB90	5	-8.062E+01	1	-1.1676E+01	-4.4839E+01	4.6334E+01	255.4
			2	-9.6157E+00	1.7743E+02	9.7784E+00	169.5
			3	-1.8935E+01	2.3395E+01	3.6408E+01	129.1
			4	-1.3130E+01	3.3132E+00	1.3542E+01	165.8
			5	1.0893E+01	-1.1123E+00	1.0949E+01	354.2
			6	7.8941E+00	-2.7542E+01	2.8651E+01	286.0
			7	-6.7102E+00	1.5335E+01	1.6739E+01	113.6
			8	-1.8022E+01	2.5546E+01	3.1263E+01	125.2
			9	-5.8958E+00	2.2527E+01	2.3286E+01	104.7
			10	7.0985E+00	-3.6370E+02	7.9759E+00	332.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB90	6	-7.522E+01	1	-2.3350E+01	-3.8002E+01	3.8003E+01	269.6
			2	2.5029E+00	6.7694E+00	7.2173E+00	69.7
			3	-3.2170E+01	6.7674E+00	3.2874E+01	168.1
			4	-8.7452E+00	-1.2227E+01	1.5933E+01	234.4
			5	1.4058E+01	-1.1120E+01	1.7925E+01	321.7
			6	-9.3423E+00	-2.1720E+01	2.3644E+01	246.7
			7	-1.3164E+01	2.3500E+01	2.6936E+01	119.3
			8	-2.4409E+01	1.1836E+01	2.7127E+01	154.1
			9	2.1748E+01	1.8577E+01	2.8602E+01	40.5
			10	1.1759E+01	-9.9927E+00	1.5431E+01	319.6

TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB90	7	-8.519E+01	1	1.0875E+01	-3.1553E+01	3.3375E+01	289.6
			2	3.3164E+00	1.7540E+01	1.7851E+01	79.3
			3	-4.1894E+01	-3.3394E+00	4.2027E+01	184.6
			4	-2.6045E+00	-2.9745E+01	2.9859E+01	265.0
			5	2.6575E+01	-2.8305E+01	3.8825E+01	313.2
			6	3.6615E+00	-2.1667E+01	2.1974E+01	279.6
			7	-1.4065E+01	3.1197E+01	3.4221E+01	114.3
			8	-4.3907E+01	2.6731E+01	5.1404E+01	148.7
			9	3.6735E+00	2.3748E+01	2.4030E+01	81.2
			10	1.2258E+01	-4.9695E+00	1.3227E+01	337.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003FB90	8	-9.230E+01	1	2.3524E+01	-1.6422E+01	2.8462E+01	325.7
			2	-1.2464E+01	1.7421E+01	2.1421E+01	125.6
			3	-4.3182E+01	5.5727E+00	4.3540E+01	172.6
			4	-4.2938E+00	-4.2663E+01	4.2879E+01	264.3
			5	2.3492E+01	-7.4694E+01	7.8381E+01	287.5
			6	4.1406E+01	2.4286E+01	4.8002E+01	30.4
			7	-1.5541E+01	5.1544E+01	5.3436E+01	106.8
			8	-8.5527E+01	5.7448E+01	1.6281E+02	146.3
			9	1.5825E+01	2.6271E+01	3.4659E+01	58.9
			10	2.0136E+01	-5.5467E+00	2.4886E+01	344.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003CB18	1	-1.612E+03	1	-1.1917E+02	1.1422E+02	1.6546E+02	130.2
			2	2.6217E+01	-2.4085E+01	3.5560E+01	317.4
			3	-1.0085E+01	5.7036E+01	5.7921E+01	100.9
			4	2.6933E+02	1.4000E+02	3.9358E+02	27.5
			5	3.3908E+01	6.2430E+01	7.1844E+01	61.5
			6	-5.3349E+01	-2.4067E+01	5.8527E+01	204.3
			7	-1.1480E+01	-1.3612E+01	1.7807E+01	229.9
			8	-7.4147E+01	-1.9932E+01	7.6783E+01	195.0
			9	1.0265E+01	2.9789E+00	1.0688E+01	16.2
			10	3.6067E+00	-1.0104E+01	1.4728E+01	289.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003CB18	2	-1.605E+03	1	-1.0636E+02	1.7477E+02	2.0459E+02	121.3
			2	2.0077E+01	-8.1986E+01	8.4408E+01	283.8
			3	-1.2706E+02	3.1042E+01	1.3080E+02	166.3
			4	-4.5098E+01	4.2768E+02	4.3005E+02	96.3
			5	2.5411E+01	5.0837E+00	2.5915E+01	11.3
			6	-8.0826E+01	-5.4996E+01	5.7712E+01	214.2
			7	-7.2129E+00	-2.6996E+01	2.7041E+01	255.1
			8	-3.2613E+01	-5.1553E+01	6.1003E+01	237.7
			9	-1.2231E+00	1.9033E+01	1.9072E+01	93.7
			10	1.8965E+01	-1.4623E+01	2.3948E+01	322.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003CB18	3	-1.575E+03	1	-4.6591E+01	1.4944E+02	1.5653E+02	107.3
			2	5.4592E+01	-1.2702E+02	1.3825E+02	293.3
			3	-1.4929E+02	2.6161E+01	1.5157E+02	170.1
			4	-7.4633E+01	7.4220E+02	7.4594E+02	95.7
			5	1.5946E+02	-4.3529E+01	1.6529E+02	344.7
			6	-1.2048E+02	-2.5958E+01	1.2324E+02	102.2
			7	-1.5240E+01	-3.4560E+01	3.7772E+01	246.2
			8	-5.3859E+01	-2.4756E+01	5.9276E+01	204.7
			9	-1.4748E+01	3.9443E+01	4.2119E+01	110.5
			10	1.6643E+01	-2.6705E+01	3.1467E+01	301.9

TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003CB18	4	-1.662E+03	1	-1.3803E+02	9.1962E+01	1.6586E+02	146.3
			2	2.4971E+01	-2.5336E+01	3.2889E+01	349.6
			3	-2.6887E+01	4.3585E+01	5.1211E+01	121.7
			4	2.1043E+02	2.0824E+02	2.9605E+02	44.7
			5	2.7374E+01	8.1273E+01	8.5759E+01	71.4
			6	-3.2683E+01	-1.7882E+01	3.5514E+01	210.2
			7	1.5213E+00	-6.6920E+00	6.8627E+00	282.8
			8	-5.0319E+01	-5.5024E+01	7.4562E+01	227.6
			9	3.6003E+00	3.5296E+00	5.6418E+00	44.4
			10	8.2243E+00	-2.0545E+00	8.4770E+00	346.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003CB18	5	-1.632E+03	1	-1.2189E+02	7.2264E+01	1.4167E+02	149.4
			2	3.7658E+01	-1.3867E+01	4.9131E+01	339.8
			3	5.9833E+01	1.0136E+01	6.4685E+01	9.6
			4	1.5365E+02	-1.8985E+02	2.4423E+02	349.3
			5	-2.6222E+01	1.3446E+01	2.9272E+01	152.7
			6	-2.3307E+00	-2.6931E+01	2.7031E+01	265.1
			7	6.7676E+02	5.4745E+00	5.4749E+00	89.3
			8	-4.0842E+01	3.7281E+01	5.5298E+01	137.6
			9	5.5023E+00	-2.2652E+01	2.3311E+01	283.7
			10	-9.4513E+02	-3.9399E+00	1.1244E+01	202.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003CB18	6	-1.623E+03	1	-1.2908E+02	6.7950E+01	1.4546E+02	152.6
			2	2.8867E+01	5.5859E+00	2.9344E+01	11.9
			3	5.8652E+01	6.6738E+01	8.8848E+01	48.7
			4	1.8616E+02	-1.1336E+02	2.1796E+02	328.7
			5	-1.5717E+01	2.9154E+01	3.3117E+01	118.3
			6	-8.3677E+00	-4.2234E+01	4.3851E+01	258.8
			7	9.9822E+01	-4.5228E+01	4.6317E+01	282.4
			8	-2.9819E+01	9.8422E+00	3.4621E+01	198.7
			9	3.5769E+00	-1.9519E+01	1.9844E+01	280.4
			10	1.1301E+01	-1.0023E+01	1.0024E+01	270.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003CB18	7	-1.593E+03	1	-7.6293E+01	7.6519E+01	1.0805E+02	134.9
			2	4.2950E+01	2.0492E+01	4.2950E+01	4.3
			3	7.0146E+01	9.2996E+01	1.1648E+02	53.8
			4	1.3494E+02	-1.1183E+02	1.7526E+02	320.3
			5	-4.3675E+00	3.3992E+01	3.4272E+01	97.3
			6	4.8540E+00	-4.5125E+01	4.5386E+01	276.1
			7	5.9280E+00	-9.4416E+00	1.1149E+01	302.1
			8	-5.9962E+01	-3.2343E+01	6.8129E+01	248.3
			9	4.7105E+00	-1.2748E+01	1.3593E+01	200.3
			10	8.8645E+00	-2.2277E+01	2.3975E+01	291.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003CB18	8	-1.618E+03	1	-9.8661E+01	1.2177E+02	1.5573E+02	129.4
			2	6.7432E+01	-1.0107E+01	6.8185E+01	351.5
			3	-9.5414E+00	8.1415E+00	1.2543E+01	139.5
			4	-1.2197E+02	-2.4692E+02	2.7544E+02	243.7
			5	-5.8625E+01	-1.9840E+01	6.1891E+01	198.7
			6	1.5822E+01	6.1914E+01	6.3904E+01	75.7
			7	8.9448E+00	2.1913E+00	9.2093E+00	13.8
			8	-5.3735E+01	-7.0453E+01	8.8606E+01	232.7
			9	-1.5710E+01	-2.5741E+01	3.4157E+01	238.6
			10	4.9093E+00	-2.3270E+01	2.3782E+01	261.9

TABLE 9.- CONTINUED

c) Continued

RUN FIRST 17R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003CB90	1	-4.984E+01	1	1.5592E-01	-5.8133E-01	6.0188E-01	285.0
			2	-5.3883E-02	5.8826E-02	7.9774E-02	132.5
			3	2.1499E-02	-5.8951E-02	6.2749E-02	294.3
			4	1.5562E-02	-7.2123E-02	7.3782E-02	282.2
			5	3.7883E-02	-1.0718E-03	3.7898E-02	358.4
			6	-8.0584E-03	5.6754E-02	5.7323E-02	261.9
			7	-2.1710E-03	1.9631E-02	1.9751E-02	96.3
			8	6.5000E-03	-1.1699E-02	1.3383E-02	299.1
			9	2.7122E-02	9.5004E-04	2.7138E-02	2.0
			10	1.7700E-02	-3.4142E-03	1.8026E-02	349.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003CB90	2	-4.968E+01	1	1.6499E-01	-7.5635E-01	7.7414E-01	282.3
			2	-3.8669E-02	9.0527E-02	9.8449E-02	113.1
			3	-1.5767E-03	-4.6931E-02	4.6958E-02	268.1
			4	1.6428E-03	-8.3186E-02	8.3202E-02	271.1
			5	5.8734E-02	2.3434E-02	6.3236E-02	21.8
			6	1.3534E-02	-4.7436E-02	4.9329E-02	285.9
			7	-7.5261E-04	1.7689E-03	1.9223E-03	113.0
			8	1.9654E-03	-3.8428E-02	3.8478E-02	272.9
			9	4.6402E-03	-6.2461E-03	7.7811E-03	306.6
			10	2.3894E-02	2.2282E-03	2.3998E-02	5.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003CB90	3	-4.961E+01	1	1.8283E-01	-8.6602E-01	8.8514E-01	281.9
			2	-2.1974E-02	1.1165E-01	1.1384E-01	101.1
			3	-2.3051E-03	-5.4942E-02	5.4994E-02	267.6
			4	-1.6921E-02	8.8697E-02	9.8132E-02	259.8
			5	6.2826E-02	-3.4927E-03	6.2923E-02	356.8
			6	-1.8400E-02	-9.7320E-02	9.9046E-02	259.3
			7	2.3079E-02	1.6349E-02	2.5285E-02	24.2
			8	1.8600E-03	-2.5731E-02	2.5798E-02	274.1
			9	6.3050E-03	-1.5806E-02	1.7151E-02	292.4
			10	3.6438E-03	-1.7476E-02	1.7852E-02	281.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003CB90	4	-4.984E+01	1	1.9209E-01	-5.6006E-01	5.9209E-01	288.9
			2	-6.0251E-02	3.1574E-02	6.6423E-02	152.3
			3	3.0199E-03	-7.0328E-02	7.0393E-02	272.5
			4	7.9175E-03	-8.4494E-02	8.4864E-02	275.4
			5	2.4587E-02	-4.6730E-03	2.5027E-02	349.2
			6	7.1727E-03	-4.5331E-02	4.5895E-02	279.8
			7	-6.9343E-03	1.4202E-02	1.5804E-02	116.8
			8	2.0615E-02	-3.0037E-02	3.6431E-02	304.5
			9	8.1216E-03	-2.2586E-03	8.4298E-03	344.5
			10	8.1718E-03	5.0084E-03	9.5843E-03	31.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003CB90	5	-4.984E+01	1	1.4735E-01	-4.6567E-01	4.8843E-01	287.6
			2	-9.0993E-02	3.4715E-02	9.7391E-02	159.1
			3	1.1716E-02	-4.9430E-02	5.0800E-02	283.3
			4	1.8523E-02	-2.8052E-02	3.3616E-02	303.4
			5	2.9685E-02	-1.6672E-03	2.9732E-02	356.8
			6	2.5226E-02	-2.7129E-02	3.7445E-02	312.9
			7	-2.4886E-02	-2.6922E-02	3.2512E-02	224.1
			8	-1.6321E-02	-1.7737E-02	2.4103E-02	227.4
			9	1.1963E-02	-1.3140E-02	1.7778E-02	312.3
			10	5.3981E-03	-1.5937E-03	5.6285E-03	343.6

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TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003CB90	6	-4.992E+01	1	1.4322E-01	-3.5581E-01	3.8355E-01	291.9
			2	-1.6394E-01	1.8931E-02	1.6503E-01	173.4
			3	2.1688E-03	-4.0144E-02	4.8202E-02	273.1
			4	7.0762E-02	-2.1635E-03	7.0796E-02	358.2
			5	3.5574E-02	1.6682E-02	3.9291E-02	25.1
			6	2.4972E-02	-5.6711E-02	5.6526E-02	296.2
			7	1.8312E-03	-3.0827E-02	3.0844E-02	271.9
			8	7.7439E-03	-3.4556E-02	3.5413E-02	282.6
			9	-2.2867E-02	-1.3684E-02	2.6648E-02	219.9
			10	9.7971E-03	1.2711E-02	1.6048E-02	52.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003CB90	7	-4.984E+01	1	8.2455E-02	-2.9811E-01	3.9939E-01	285.5
			2	-2.2419E-01	-3.5536E-03	2.2421E-01	183.9
			3	3.8977E-02	-3.7058E-02	4.8390E-02	389.9
			4	1.0994E-01	3.2640E-02	1.1469E-01	16.5
			5	8.1076E-02	4.6201E-02	9.3316E-02	29.7
			6	2.5646E-02	-4.1405E-02	4.8715E-02	361.8
			7	-2.2923E-02	-7.5029E-02	7.8195E-02	253.6
			8	-3.5633E-03	-5.5459E-02	5.5574E-02	266.3
			9	-2.1746E-02	-5.1082E-03	2.2338E-02	193.2
			10	-1.0275E-04	9.2749E-03	9.2755E-03	90.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003CB90	8	-4.968E+01	1	5.8263E-02	-2.9311E-01	2.9885E-01	281.2
			2	-3.3532E-01	-3.2879E-02	3.3693E-01	185.6
			3	4.8622E-02	1.3796E-02	5.6541E-02	15.8
			4	2.1406E-01	7.01112E-02	2.2525E-01	18.1
			5	1.7291E-01	9.4917E-02	1.9725E-01	28.8
			6	-5.5442E-02	1.2013E-02	5.6728E-02	167.8
			7	-5.0622E-02	-1.0088E-01	1.1287E-01	243.4
			8	-1.8249E-02	-1.1624E-01	1.1767E-01	278.9
			9	-1.0692E-02	-9.2733E-03	1.4153E-02	228.9
			10	1.1018E-02	2.5042E-02	2.7359E-02	66.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003HANG	1	-6.734E+00	1	-1.3757E+00	4.4714E+00	4.6782E+00	107.1
			2	2.7814E-01	-5.3578E-01	6.0368E-01	297.4
			3	-1.4770E-01	5.9945E-01	5.3043E-01	106.2
			4	-3.6029E-02	4.2154E-01	4.2307E-01	94.9
			5	-2.9465E-01	6.4785E-02	3.6169E-01	167.6
			6	-1.2034E-01	2.8648E-01	3.1036E-01	112.8
			7	8.8371E-02	-2.6675E-02	9.2388E-02	343.2
			8	-7.0165E-02	2.1028E-01	2.2168E-01	148.5
			9	-1.3334E-01	-9.4045E-02	1.6317E-01	215.2
			10	-1.2891E-01	-3.0921E-02	1.3256E-01	193.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003HANG	2	-7.588E+00	1	-1.4143E+00	5.5111E+00	5.6807E+00	184.4
			2	-5.8346E-02	-8.2916E-01	8.3121E-01	266.4
			3	-4.3450E-02	2.7958E-01	2.8294E-01	98.8
			4	-4.6940E-02	5.1045E-01	5.1261E-01	95.3
			5	-3.6009E-01	-3.8122E-02	3.6210E-01	186.3
			6	-2.5915E-01	4.5268E-01	5.2154E-01	119.8
			7	-3.6955E-02	-1.2879E-01	1.3399E-01	251.9
			8	-9.1546E-02	1.9773E-01	2.1794E-01	114.8
			9	-5.7319E-02	-1.7672E-02	5.9982E-02	197.1
			10	-6.4927E-02	-2.3135E-02	6.8925E-02	199.6

TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003HANG	3	-8.357E+00	1	-1.4150E+00	6.3061E+00	6.4634E+00	162.7
			2	-2.4112E-01	-1.0074E+00	1.0358E+00	256.5
			3	6.4641E-02	2.4820E-01	2.5644E-01	75.4
			4	-4.4771E-02	5.7040E-01	5.7216E-01	94.5
			5	-4.6284E-01	-1.2710E-01	4.7995E-01	195.3
			6	9.6768E-03	7.1152E-01	7.1159E-01	89.2
			7	-1.4386E-01	-2.4450E-01	2.8368E-01	239.5
			8	-2.8665E-02	1.1826E-01	1.2169E-01	183.6
			9	-9.2946E-02	2.3445E-02	9.3919E-02	165.5
			10	-5.2321E-12	6.0577E-02	8.0044E-02	136.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003HANG	4	-6.545E+00	1	-1.5790E+00	4.3492E+00	4.6273E+00	118.4
			2	3.7960E-01	-4.5222E-01	5.9843E-01	316.4
			3	-1.7338E-01	4.9922E-01	5.2847E-01	100.2
			4	-7.2660E-02	4.5066E-01	4.5645E-01	99.2
			5	-2.8514E-01	4.5319E-02	2.8872E-01	171.4
			6	-1.7691E-01	2.7087E-01	3.2353E-01	123.1
			7	6.4548E-02	5.4377E-02	8.4399E-02	46.1
			8	-1.1632E-01	2.2452E-01	2.5284E-01	117.4
			9	-8.1665E-02	-5.4556E-02	9.8216E-02	213.7
			10	-8.5597E-02	-5.6765E-02	1.0271E-01	213.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003HANG	5	-6.401E+00	1	-1.3116E+00	3.6762E+00	3.9031E+00	189.6
			2	5.6796E-01	-3.4862E-01	6.6642E-01	328.5
			3	-5.8328E-02	5.1061E-01	5.1393E-01	96.5
			4	-3.3414E-01	1.6861E-01	3.7427E-01	153.2
			5	-2.5457E-01	-2.2652E-02	2.5558E-01	185.1
			6	-2.7657E-01	2.4636E-02	2.7159E-01	174.8
			7	2.2325E-01	9.2393E-02	2.4161E-01	22.5
			8	-2.0004E-02	1.3561E-01	1.3778E-01	93.4
			9	-3.3909E-02	5.2321E-02	6.2348E-02	122.9
			10	-7.8260E-02	-3.8480E-02	8.7279E-02	286.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003HANG	6	-6.099E+00	1	-1.2186E+00	2.8463E+00	3.0962E+00	113.2
			2	1.1254E+00	-8.9285E-02	1.1295E+00	355.5
			3	-2.7142E-01	5.1422E-01	5.8146E-01	117.8
			4	-4.6945E-01	-4.6722E-02	4.7177E-01	185.7
			5	-4.2325E-01	-2.0832E-01	4.7174E-01	206.2
			6	-2.2542E-01	2.1404E-01	3.1488E-01	136.5
			7	2.2649E-01	2.8266E-01	3.6220E-01	51.3
			8	-2.8346E-02	2.0192E-01	2.0300E-01	98.4
			9	7.1291E-02	-1.2290E-03	7.1301E-02	359.4
			10	-1.2758E-02	-1.3232E-01	1.3293E-01	264.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003HANG	7	-6.602E+00	1	-7.6630E-01	2.2352E+00	2.3630E+00	198.9
			2	1.7377E+00	9.5270E-02	1.7403E+00	3.1
			3	-5.6293E-01	4.6958E-01	6.4556E-01	140.8
			4	-9.1332E-01	-3.6736E-01	9.8165E-01	202.0
			5	-6.2962E-01	-4.1714E-01	7.4778E-01	213.0
			6	-1.2508E-01	2.4611E-01	2.7647E-01	116.9
			7	3.0662E-01	4.8761E-01	5.7601E-01	57.8
			8	-3.4354E-02	4.4238E-01	4.4371E-01	94.4
			9	4.1237E-02	4.9251E-02	6.4235E-02	58.1
			10	3.4770E-02	-1.3810E-01	1.4241E-01	284.1

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TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 003HANG	8	-7.619E+00	1	-3.1503E-01	1.9398E+00	1.9653E+00	99.2
			2	2.2858E+00	2.4627E+01	2.2990E+01	6.1
			3	-5.1041E-01	-1.1734E+01	5.2372E+01	192.9
			4	-1.5412E+00	-7.4807E+01	1.7132E+01	265.9
			5	-1.2565E+00	-7.0187E+01	1.4392E+01	240.2
			6	3.8721E-01	-2.4702E+01	3.9421E+01	321.2
			7	3.5536E-01	7.3974E+01	8.2967E+01	64.3
			8	-7.5601E-02	1.0199E+00	1.0227E+00	94.2
			9	8.7352E-02	1.4282E+01	1.6741E+01	58.5
			10	5.3526E-02	-1.6677E+01	1.7515E+01	287.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB13	1	3.644E+02	1	-1.2349E+01	2.4816E+01	1.2596E+01	168.6
			2	-4.4587E+00	2.9850E+01	3.0181E+01	98.5
			3	-9.9694E+00	-7.1180E+01	7.1875E+01	262.6
			4	2.5622E+01	-2.9947E+01	3.9412E+01	314.5
			5	-8.1717E+00	-3.7374E+01	3.8257E+01	257.7
			6	4.1507E+01	1.8275E+00	4.1547E+01	2.5
			7	-1.3357E+00	1.5272E+01	1.5331E+01	95.9
			8	-3.1571E+01	2.1352E+01	3.8114E+01	145.9
			9	-1.3014E+01	-2.5340E+01	2.8487E+01	242.6
			10	-8.9105E+00	-8.7795E+01	8.9536E+01	185.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB13	2	3.722E+02	1	-1.1201E+01	-6.3983E+00	1.2944E+01	249.7
			2	4.7867E+00	3.7915E+01	3.8216E+01	82.8
			3	4.06697E-01	-1.5487E+01	1.5493E+01	271.5
			4	2.2425E+01	-9.8113E+00	2.4112E+01	330.0
			5	6.44452E+00	1.1121E+01	1.2353E+01	59.9
			6	8.6291E+01	2.9624E+01	9.1234E+01	15.9
			7	9.6686E+00	4.2445E+01	4.3533E+01	77.2
			8	-2.2547E+01	2.3946E+01	3.2890E+01	133.3
			9	-1.7887E+00	-2.0303E+01	2.0382E+01	265.3
			10	-8.3918E+00	-2.0898E+01	8.3944E+00	181.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB13	3	3.544E+02	1	5.1946E+00	-1.9234E+01	5.1982E+00	357.9
			2	8.2794E+00	4.3344E+01	4.4127E+01	79.2
			3	-1.7458E+01	-4.2161E+00	1.7960E+01	193.6
			4	2.3247E+01	-2.7326E+01	3.5877E+01	314.4
			5	-2.7603E+01	7.2580E+01	7.7577E+01	110.8
			6	1.3979E+02	-2.6510E+01	1.4210E+02	349.7
			7	1.8260E+01	6.0951E+01	6.3628E+01	73.3
			8	-1.1742E+01	3.7377E+01	3.9178E+01	107.4
			9	-3.0477E+01	-2.6847E+00	3.8595E+01	185.0
			10	-1.7741E+01	2.3884E+00	1.7901E+01	172.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB13	4	3.554E+02	1	-9.7686E+00	3.8080E+00	1.6485E+01	158.7
			2	-1.1774E+01	2.9206E+01	3.1489E+01	112.0
			3	-4.8830E+00	-7.7805E+01	7.7958E+01	266.4
			4	2.9301E+01	-2.3459E+01	3.7529E+01	321.3
			5	4.9557E-01	-3.3641E+01	3.3645E+01	274.8
			6	3.8149E+01	2.4398E+01	4.5284E+01	32.6
			7	-1.9944E+00	1.1900E+01	1.2066E+01	99.5
			8	-3.9958E+01	-9.0377E+01	3.9968E+01	181.3
			9	3.5931E+00	-1.4674E+01	1.5107E+01	283.8
			10	-9.5903E+00	-1.4207E+00	9.6950E+00	168.4

TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB13	5	3.963E+02	1	-2.2927E+00	-1.4169E+01	1.4354E+01	260.8
			2	-1.2468E+00	1.7618E+01	1.7662E+01	94.0
			3	-1.5027E+01	-6.6941E+01	6.8607E+01	257.3
			4	7.1733E+00	-9.1491E+00	1.1626E+01	308.1
			5	-2.3009E+00	-3.2458E+01	3.2141E+01	265.9
			6	-5.0910E+00	2.0161E+01	2.0794E+01	104.2
			7	2.5920E+00	2.4351E+01	2.4488E+01	83.9
			8	-3.8650E+00	4.0208E+01	4.0394E+01	95.5
			9	-1.2268E+01	1.2465E+01	1.7489E+01	134.5
			10	8.8015E+00	1.8339E+01	2.0342E+01	64.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB13	6	3.978E+02	1	-1.4815E+01	-9.8333E+00	1.7782E+01	213.6
			2	-1.6870E+01	1.3128E+01	2.1376E+01	142.1
			3	-1.1357E+01	-8.8351E+01	8.9378E+01	262.7
			4	1.2844E+01	-7.0676E+00	1.4561E+01	331.2
			5	-1.9346E+00	-2.2842E+01	2.2924E+01	265.2
			6	1.7830E+01	4.7477E+01	5.0715E+01	69.4
			7	8.5407E-01	3.2622E+01	3.2633E+01	88.5
			8	-1.7877E+01	2.2393E+01	2.8654E+01	128.6
			9	3.9902E+01	3.8733E+01	5.5689E+01	44.1
			10	2.5437E+00	2.1436E+01	2.1587E+01	83.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB13	7	4.038E+02	1	-4.2774E+01	6.5233E+00	4.3268E+01	171.3
			2	-2.1335E+01	5.4631E+00	2.2023E+01	165.6
			3	2.8513E+00	-8.5160E+01	8.5298E+01	271.9
			4	2.9623E-01	5.4346E+00	5.4426E+00	86.9
			5	6.7728E+00	-1.9317E+01	2.0474E+01	289.3
			6	1.4159E+01	7.7353E+01	7.8639E+01	79.6
			7	-6.8232E+00	4.2326E+01	4.2872E+01	99.2
			8	-3.6207E+01	2.6767E+01	4.5027E+01	143.5
			9	3.2743E+01	9.7903E+01	1.0323E+02	71.5
			10	-2.9772E+00	3.6832E+01	3.6952E+01	94.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB13	8	3.955E+02	1	-5.9493E+01	-2.3733E+01	6.4052E+01	241.7
			2	-4.6317E+01	2.3768E+00	4.6378E+01	177.1
			3	4.7904E+01	1.6007E+01	5.0508E+01	18.5
			4	4.7176E+00	2.5655E+01	2.6085E+01	79.6
			5	-3.4747E+01	-9.7074E+00	3.6078E+01	195.6
			6	9.6890E+01	2.0150E+01	9.8963E+01	11.7
			7	-1.1954E+01	4.4001E+01	4.5596E+01	105.2
			8	-8.2296E+01	2.3883E+01	8.5691E+01	163.8
			9	6.2479E+01	2.4455E+01	6.7095E+01	21.4
			10	-1.0954E+01	2.7115E+01	2.9244E+01	112.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB18	1	5.881E+01	1	1.2519E+01	-5.8873E+01	6.4189E+01	282.6
			2	-5.3653E+00	4.1338E+01	4.1684E+01	97.4
			3	-1.5137E+01	-9.2091E+01	9.3327E+01	264.7
			4	2.5503E+01	-3.6360E+01	4.4412E+01	305.6
			5	-7.5186E+00	-3.6284E+01	3.7055E+01	258.3
			6	4.0171E+01	2.9514E+00	4.4279E+01	4.2
			7	-1.4839E+00	1.5515E+01	1.5586E+01	95.5
			8	-1.8326E+01	1.9021E+01	2.6413E+01	133.9
			9	-8.1020E+00	-1.9382E+01	2.1007E+01	247.3
			10	-6.6654E+00	8.1462E-01	6.7145E+00	173.1

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TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB18	2	6.358E+01	1	2.0120E+01	-7.5818E+01	7.8442E+01	284.9
			2	-9.6157E-01	5.9795E+01	5.0803E+01	99.9
			3	4.2328E-01	-2.1633E+01	2.1637E+01	271.1
			4	2.9181E+01	-1.8736E+01	3.4678E+01	327.3
			5	1.1406E+01	1.5965E+01	2.3443E+01	56.1
			6	8.8102E+01	3.0141E+01	9.3115E+01	18.9
			7	9.8527E+00	3.8471E+01	3.9713E+01	75.6
			8	-1.1165E+01	2.3813E+01	2.6306E+01	115.1
			9	2.1388E+00	-1.4748E+01	1.4903E+01	278.3
			10	-7.0501E+00	1.6522E+00	7.2411E+00	166.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB18	3	6.175E+01	1	3.7569E+01	-8.7107E+01	9.4864E+01	293.3
			2	-5.4472E+00	6.9025E+01	6.9239E+01	94.5
			3	-1.4500E+01	-6.7996E-02	1.4510E+01	180.3
			4	2.6410E+01	-3.6998E+01	4.4728E+01	306.2
			5	-8.9051E+00	7.4358E+01	7.4894E+01	96.8
			6	1.5936E+02	-3.4082E+01	1.5417E+02	347.2
			7	1.8189E+01	5.3599E+01	5.6598E+01	71.3
			8	-3.1569E+00	3.1894E+01	3.2449E+01	95.7
			9	-2.4745E+01	-1.9363E+00	2.4821E+01	184.5
			10	-1.0864E+01	1.1661E+00	1.0926E+01	173.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FR18	4	5.268E+01	1	1.7432E+01	-5.8174E+01	6.4734E+01	286.7
			2	-1.2815E+01	3.9954E+01	4.1959E+01	107.3
			3	-7.5499E+00	-9.7390E+01	9.7682E+01	265.6
			4	2.7114E+01	-2.8405E+01	3.9268E+01	313.7
			5	1.2760E+01	-3.4544E+01	3.4544E+01	270.2
			6	3.9468E+01	2.5421E+01	4.6046E+01	32.8
			7	-1.0012E+00	1.2661E+01	1.2701E+01	94.5
			8	-2.9364E+01	4.5117E+00	2.9724E+01	171.1
			9	4.7124E+00	-1.1729E+01	1.2644E+01	291.9
			10	-5.8759E+00	-6.8117E-01	5.9153E+00	186.0
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FR18	5	7.449E+01	1	1.0947E+01	-5.5191E+01	5.6266E+01	281.2
			2	-1.1231E+01	2.5358E+01	2.7654E+01	113.5
			3	-2.8701E+01	-9.9795E+01	9.5223E+01	252.5
			4	6.9287E+00	-1.3253E+01	1.4955E+01	297.6
			5	-4.7002E+00	-2.6662E+01	2.7073E+01	260.4
			6	-1.3758E+01	2.4478E+01	2.8872E+01	119.3
			7	-1.6144E+00	1.6403E+01	1.6482E+01	95.6
			8	5.0893E+00	2.7506E+01	2.7973E+01	79.5
			9	-3.0233E+00	1.2723E+01	1.3078E+01	103.4
			10	6.4578E+00	1.5216E+01	1.6372E+01	68.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB18	6	7.400E+01	1	-1.9475E+00	-4.5306E+01	4.5348E+01	267.5
			2	-2.4915E+01	1.3955E+01	2.8557E+01	156.7
			3	-2.2491E+01	-1.0826E+02	1.1057E+02	258.3
			4	5.8826E+00	-5.7405E+00	8.2194E+00	315.7
			5	-6.4829E+00	-1.9657E+01	2.3698E+01	251.7
			6	1.6175E+01	4.7220E+01	4.9914E+01	71.1
			7	2.4872E+00	2.8523E+01	2.8631E+01	85.6
			8	-1.1205E+01	2.0182E+01	2.3084E+01	119.0
			9	3.5529E+01	3.0005E+01	4.6504E+01	40.2
			10	4.7984E+00	1.4985E+01	1.5735E+01	72.2

TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB18	7	7.927E+01	1	-2.9246E+01	-2.6113E+01	3.9207E+01	221.8
			2	-3.1130E+01	5.2318E+00	3.1567E+01	170.5
			3	-6.4143E+00	-1.0584E+02	1.0603E+02	266.5
			4	-1.6070E+00	4.9978E+00	5.2498E+00	107.8
			5	6.1489E-01	-1.8674E+01	1.8684E+01	271.9
			6	1.5238E+01	7.3214E+01	7.4783E+01	78.2
			7	-1.5247E+00	4.1629E+01	4.1657E+01	92.1
			8	-2.3474E+01	2.4510E+01	3.3938E+01	133.8
			9	3.2294E+01	8.0789E+01	8.7005E+01	68.2
			10	-1.8661E+00	2.8096E+01	2.8158E+01	93.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB18	8	8.441E+01	1	-4.9516E+01	-4.1777E+01	6.4786E+01	220.2
			2	-5.7225E+01	3.1495E+00	5.7311E+01	176.8
			3	5.7049E+01	1.1429E+01	5.8183E+01	11.3
			4	5.8647E+00	2.3151E+01	2.3882E+01	75.8
			5	-4.4980E+01	-1.9356E+01	4.6166E+01	193.4
			6	9.7925E+01	1.2660E+01	9.8744E+01	7.4
			7	-1.3256E+01	4.1679E+01	4.3736E+01	147.6
			8	-6.3988E+01	3.2335E+01	7.4892E+01	152.9
			9	5.6734E+01	1.9352E+01	5.9944E+01	18.6
			10	-6.1340E+00	1.56608E+01	1.6779E+01	111.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB38	1	1.196E+02	1	5.4072E+01	-1.4342E+02	1.5328E+02	292.7
			2	-1.6469E+01	4.6113E+01	4.8966E+01	169.7
			3	-8.5036E+00	-9.9470E+01	9.9833E+01	265.1
			4	1.6209E+01	-2.6073E+01	3.7696E+01	301.9
			5	-6.3398E+00	-1.6898E+01	1.8248E+01	249.4
			6	5.7999E+00	-3.0994E+00	6.4968E+00	331.5
			7	-3.3332E+00	-6.1298E+01	3.3891E+00	190.4
			8	7.0091E+00	-4.6603E+00	8.4174E+00	326.4
			9	1.0562E+00	6.4971E+00	6.5824E+00	89.8
			10	1.7037E+00	-2.3878E+00	2.9332E+00	345.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB38	2	1.126E+02	1	6.6960E+01	-1.6321E+02	1.7641E+02	292.3
			2	-2.0481E+01	8.2679E+01	8.5178E+01	103.9
			3	2.0695E+01	-1.7184E+01	2.6899E+01	320.3
			4	1.4002E+01	-1.2416E+01	1.8714E+01	318.4
			5	9.5336E+00	8.1533E+00	1.2522E+01	49.6
			6	2.3431E+01	2.9886E+00	2.3621E+01	7.3
			7	-3.3245E+00	3.4248E+00	4.7734E+00	134.1
			8	5.5809E+00	-1.4865E+00	5.7755E+00	345.1
			9	-1.7246E+00	5.2657E+00	5.5499E+00	168.1
			10	7.5452E-01	-1.0976E+01	1.3319E+00	304.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB38	3	1.087E+02	1	9.1746E+01	-1.8417E+02	2.4576E+02	296.5
			2	-3.9499E+01	9.9463E+01	1.0702E+02	111.7
			3	9.7433E+00	7.5451E+00	1.2323E+01	37.8
			4	6.3887E+00	-2.0462E+01	2.1437E+01	287.3
			5	9.9548E+00	3.0271E+01	3.1866E+01	71.8
			6	4.5152E+01	-2.3937E+01	5.1125E+01	332.1
			7	-4.1594E+00	-1.0645E+01	4.1697E+01	181.5
			8	3.3552E+00	-6.2139E+00	7.2619E+00	293.4
			9	7.4640E+00	1.4769E+00	7.5413E+00	8.2
			10	4.5190E+00	-1.5355E+01	4.5216E+00	358.1

ORIGINAL PAGE IS  
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TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB38	4	1.181E+02	1	6.2051E+01	-1.3935E+02	1.5254E+02	294.4
			2	-2.4907E+01	4.2021E+01	4.8848E+01	126.7
			3	-3.5271E+01	-1.0210E+02	1.1214E+02	269.8
			4	1.6623E+01	-2.0987E+01	2.6773E+01	308.4
			5	-3.5949E+00	-1.6021E+01	1.6419E+01	257.4
			6	7.5534E+00	2.8499E+00	8.0732E+00	24.7
			7	-2.4067E+00	-2.0860E+00	3.6967E+00	229.4
			8	8.8631E+00	-2.0460E+02	8.8632E+00	359.9
			9	-4.2897E+00	3.2418E+04	5.3769E+04	142.9
			10	2.8344E+00	-5.6353E+01	2.8899E+00	348.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB38	5	1.247E+02	1	2.7006E+01	-1.2374E+02	1.2665E+02	282.3
			2	-2.4553E+01	3.6522E+01	4.4008E+01	123.9
			3	-3.0909E+01	-9.2736E+01	9.7751E+01	251.6
			4	-5.1315E+01	-7.9297E+00	7.9462E+00	266.3
			5	-9.7531E+00	-9.3234E+00	1.3493E+01	223.7
			6	-7.8784E+00	7.1383E+00	1.6631E+01	137.8
			7	-1.6139E+00	-1.2011E+00	2.0118E+00	216.7
			8	-5.9024E+01	-8.3342E+00	8.3551E+00	265.9
			9	2.3821E+00	-7.5998E+00	7.8786E+00	287.6
			10	-1.5053E+00	-1.2930E+01	1.3917E+01	263.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB38	6	1.233E+02	1	8.8394E+00	-9.6012E+01	9.6418E+01	275.3
			2	-4.5843E+01	2.1019E+01	5.8432E+01	155.4
			3	-2.9254E+01	-1.1104E+02	1.1483E+02	255.2
			4	-3.2626E+00	2.0259E+00	3.8309E+00	148.2
			5	-6.7606E+00	-2.8513E+00	7.3373E+00	262.9
			6	4.9908E+00	1.4213E+01	1.5064E+01	70.7
			7	3.7466E+01	-1.3686E+00	1.4101E+00	285.3
			8	5.7860E+00	-4.2278E+00	7.1016E+00	323.5
			9	-1.1596E+01	-1.2570E+01	1.7102E+01	227.3
			10	3.2822E+01	-8.4927E+00	8.4999E+00	272.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB38	7	1.268E+02	1	-2.8477E+01	-6.7863E+01	7.3441E+01	247.5
			2	-5.4804E+01	1.5440E+01	5.6167E+01	164.4
			3	-1.9366E+01	-1.0853E+02	1.9903E+02	264.5
			4	-2.3783E+00	9.4984E+00	9.7917E+00	104.1
			5	-6.4479E+00	-2.3346E+00	6.8575E+00	199.9
			6	7.2524E+00	1.9668E+01	2.0963E+01	69.8
			7	3.6215E+00	1.8198E+00	4.0538E+00	26.7
			8	9.6642E+00	-6.9299E+01	1.1892E+01	324.4
			9	-9.2145E+00	-3.4121E+01	3.5343E+01	254.9
			10	2.8196E+00	-1.4999E+01	1.5262E+01	280.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB38	8	1.439E+02	1	-6.0515E+01	-4.7925E+01	7.7194E+01	218.4
			2	-6.9187E+01	1.1217E+01	7.0099E+01	172.8
			3	6.3918E+01	1.0063E+01	6.4725E+01	8.9
			4	-5.5647E+00	1.9818E+01	2.4584E+01	145.7
			5	-2.6973E+01	7.8009E+00	2.8078E+01	163.9
			6	3.8074E+01	-5.7145E+00	3.8501E+01	351.5
			7	-4.1466E+00	-4.4708E+00	6.9977E+00	227.2
			8	1.6948E+01	4.5581E+00	1.7551E+01	15.1
			9	-1.6447E+01	-7.0065E+00	1.7878E+01	243.1
			10	9.1979E+00	-1.7649E+01	1.9942E+01	297.5

TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB46	1	1.357E+02	1	5.1434E+01	-1.2404E+02	1.3428E+02	292.5
			2	-2.2071E+01	3.0484E+01	3.7635E+01	125.9
			3	-2.7345E+00	-6.8305E+01	6.8362E+01	267.7
			4	5.8313E+00	-9.7077E+00	1.1324E+01	301.4
			5	1.8026E+00	-3.6934E+00	4.1798E+00	296.4
			6	-6.3583E+00	-1.8123E+00	6.6115E+00	195.9
			7	-1.5771E+00	-3.6686E+00	3.9932E+00	246.7
			8	1.3301E+01	-8.5397E+00	1.5806E+01	327.3
			9	4.8242E+00	9.3044E+00	1.0481E+01	52.6
			10	1.7643E+00	-1.7529E+00	2.4874E+00	315.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB46	2	1.283E+02	1	5.5670E+01	-1.4379E+02	1.5419E+02	291.2
			2	-2.7822E+01	6.4245E+01	7.0010E+01	113.4
			3	2.6436E+01	-9.6595E+00	2.8146E+01	339.9
			4	6.5896E+00	-5.8662E+00	8.7629E+00	318.9
			5	7.3638E+00	-1.2394E+00	7.4673E+00	350.4
			6	-4.1333E+00	-4.3929E+00	6.4317E+00	226.7
			7	-5.5626E+00	-1.9002E+01	1.1446E+01	246.9
			8	8.1535E+00	-1.0268E+01	1.3112E+01	308.5
			9	-2.9459E+00	5.3884E+00	6.1411E+00	118.7
			10	2.7978E-01	-3.5481E+00	3.5591E+00	274.5
RUN FTRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB46	3	1.266E+02	1	7.4283E+01	-1.6336E+02	1.7945E+02	294.5
			2	-4.6441E+01	7.6472E+01	8.9469E+01	121.3
			3	1.8007E+01	7.8786E+00	1.9655E+01	23.6
			4	1.0149E+00	-1.3549E+01	1.3587E+01	274.3
			5	6.6812E+00	1.9812E+00	6.9687E+00	16.5
			6	-6.2541E+00	-5.1930E+00	8.1299E+00	219.7
			7	-7.5931E+00	-1.5256E+01	1.7141E+01	243.5
			8	4.1691E+00	-1.9194E+01	1.9641E+01	282.3
			9	1.0385E+01	-1.8891E+00	1.2555E+01	340.7
			10	3.2468E+00	-1.6425E+00	3.6386E+00	333.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB46	4	1.313E+02	1	5.6902E+01	-1.1859E+02	1.3153E+02	295.6
			2	-2.6272E+01	2.6928E+01	3.7621E+01	134.3
			3	2.1450E+00	-6.8355E+01	6.8388E+01	271.8
			4	5.2158E+00	-8.7756E+00	1.9209E+01	348.7
			5	2.8690E+00	-1.2964E+00	3.1132E+00	337.2
			6	6.3935E-01	-3.9293E+00	3.9795E+00	279.1
			7	1.9920E-01	-5.7027E+00	5.7050E+00	271.9
			8	1.6639E+01	-1.8881E+00	1.6746E+01	353.5
			9	-4.3919E+00	5.6074E+00	7.1224E+00	128.1
			10	2.4509E+00	-4.8209E-01	2.4979E+00	348.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB46	5	1.335E+02	1	2.8285E+01	-1.0607E+02	1.9978E+02	284.9
			2	-2.5420E+01	2.8846E+01	3.8449E+01	131.4
			3	-2.2935E+01	-5.8641E+01	6.2644E+01	249.4
			4	-5.8164E-01	9.0941E-01	1.0795E+00	122.6
			5	-4.5965E+00	2.1084E+00	5.0571E+00	155.4
			6	1.4543E+00	4.3447E-01	1.5178E+00	16.6
			7	2.3446E+00	-4.8819E+00	5.4158E+00	295.7
			8	-8.8718E-02	-1.5219E+01	1.5219E+01	269.7
			9	1.5333E+00	-7.3094E+00	7.4681E+00	281.8
			10	-4.6890E+00	-1.0125E+01	1.1158E+01	245.2

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TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB46	6	1.364E+02	1	1.0707E+01	-8.4212E+01	8.4894E+01	277.2
			2	-4.1365E+01	1.8296E+01	4.5231E+01	156.1
			3	-2.3868E+01	-7.7325E+01	8.0925E+01	252.8
			4	-3.9626E+00	5.3443E+01	6.6531E+00	126.6
			5	-1.7549E+00	4.6951E+00	5.0124E+00	110.5
			6	3.6870E-01	-2.4692E+00	2.4966E+00	278.5
			7	4.2539E-01	-9.5437E+00	9.5532E+00	272.0
			8	6.5642E+00	-1.1206E+01	1.2987E+01	300.4
			9	-2.1205E+01	-1.9300E+01	2.8673E+01	222.3
			10	-3.6876E+00	-6.9889E+00	7.9021E+00	242.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB46	7	1.378E+02	1	-2.3070E+01	-5.8060E+01	6.2475E+01	248.3
			2	-4.9766E+01	1.5208E+01	5.2038E+01	163.4
			3	-8.1851E+00	-7.5820E+01	7.6261E+01	263.8
			4	-7.0489E-01	8.2581E+00	8.2881E+00	94.9
			5	-3.4107E+00	3.1222E+00	4.6240E+00	137.5
			6	2.8968E+00	-6.5767E+00	7.1864E+00	293.8
			7	6.1181E+00	-1.3756E+01	1.5056E+01	294.8
			8	1.5893E+01	-1.4099E+01	2.1245E+01	318.4
			9	-1.7325E+01	-4.9234E+01	5.2193E+01	250.6
			10	2.0398E+00	-1.6623E+01	1.6748E+01	277.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB46	8	1.575E+02	1	-4.5727E+01	-4.2087E+01	6.2147E+01	222.6
			2	-5.6975E+01	7.9273E+00	5.7524E+01	172.1
			3	5.0629E+01	4.8524E+00	5.0861E+01	5.5
			4	-3.0425E+00	1.3991E+01	1.4318E+01	102.3
			5	-6.8104E+00	1.6622E+01	1.2618E+01	122.7
			6	1.4933E+00	-7.5384E+00	7.6845E+00	281.2
			7	3.4328E+00	-1.8182E+01	1.8503E+01	280.7
			8	3.2050E+01	-8.6660E+00	3.3201E+01	344.9
			9	-2.9958E+01	-9.4595E+00	3.1416E+01	197.5
			10	6.0779E+00	-1.1347E+01	1.2872E+01	298.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB53	1	-6.830E+01	1	5.4162E+01	-1.3800E+02	1.4003E+02	292.6
			2	-3.2648E+01	2.7333E+01	4.2580E+01	140.1
			3	-2.3366E+00	-6.0754E+01	6.9799E+01	267.8
			4	-2.4748E+00	2.5881E+00	3.5809E+00	133.7
			5	5.5012E+00	7.0800E+00	8.9661E+00	52.2
			6	-1.2001E+01	4.4169E+01	1.2449E+01	177.9
			7	-7.0628E+03	-5.0961E+00	5.0961E+00	269.9
			8	1.3456E+01	-8.3844E+00	1.5855E+01	328.1
			9	7.5303E+00	1.1021E+01	1.3348E+01	55.7
			10	3.4276E+00	-6.6700E+01	3.4919E+00	349.0
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB53	2	-7.151E+01	1	5.9854E+01	-1.5054E+02	1.6200E+02	291.7
			2	-4.0104E+01	6.2926E+01	7.4619E+01	122.5
			3	3.1571E+01	-3.6917E+00	3.1786E+01	353.3
			4	3.3333E+00	-3.7124E+00	4.9892E+00	311.9
			5	3.0028E+00	-4.3555E+00	5.2903E+00	304.6
			6	-2.0667E+01	-1.0390E+01	2.3131E+01	206.7
			7	-4.4698E+00	-1.4668E+01	1.5334E+01	253.1
			8	7.1310E+00	-1.5639E+01	1.7188E+01	294.5
			9	-1.8619E+01	4.7425E+00	4.7461E+00	92.2
			10	1.2789E+00	-3.0095E+00	3.2696E+00	293.1

TABLE 9.- CONTINUED

## c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB53	3 -7.702E+01		1 7.6455E+01	-1.6856E+02	1.8509E+02	294.4	
			2 -6.2936E+01	7.5228E+01	9.7567E+01	129.5	
			3 2.6817E+01	1.7992E+01	3.2293E+01	33.9	
			4 -1.1422E-02	-1.5369E+01	1.5369E+01	274.8	
			5 2.9827E+00	-1.2019E+01	1.3259E+01	283.4	
			6 -4.0415E+01	5.4526E+00	4.4783E+01	172.3	
			7 -6.9632E+00	-2.0801E+01	2.1935E+01	251.5	
			8 -5.4038E-01	-2.1018E+01	2.1025E+01	268.5	
			9 1.5348E+01	-2.8227E+00	1.5606E+01	349.6	
			10 2.6564E+00	-3.2972E+00	4.2342E+00	308.9	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB53	4 -6.764E+01		1 6.9841E+01	-1.2433E+02	1.3842E+02	296.1	
			2 -3.7545E+01	2.1855E+01	4.3443E+01	149.8	
			3 2.4948E+00	-6.0044E+01	6.0096E+01	272.4	
			4 -4.1913E+00	7.3572E+01	4.2553E+00	174.4	
			5 3.3835E+00	9.2242E+00	9.8252E+00	69.9	
			6 -1.1706E+01	-5.7160E+00	1.3025E+01	206.1	
			7 4.7904E+01	-5.1764E+00	5.1985E+00	275.3	
			8 1.7198E+01	-3.6299E+01	1.7242E+01	358.8	
			9 -7.6220E-01	8.1114E+00	8.1471E+00	95.4	
			10 3.7835E+00	4.8415E+01	3.8143E+00	7.3	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB53	5 -6.863E+01		1 3.4010E+01	-1.0684E+02	1.1497E+02	285.7	
			2 -3.9317E+01	2.5895E+01	4.7079E+01	146.6	
			3 -2.1269E+01	-4.7262E+01	5.1827E+01	245.8	
			4 -2.8086E+01	7.6459E+00	7.6511E+00	92.1	
			5 -7.9176E+01	9.7835E+00	9.8087E+00	94.1	
			6 3.8568E+00	-2.4562E+00	4.5725E+00	327.5	
			7 3.3640E+00	-6.5066E+00	7.3248E+00	297.3	
			8 -7.3193E+01	-1.3471E+01	1.3491E+01	266.9	
			9 1.5078E+00	-4.4616E+00	4.7391E+00	289.7	
			10 -3.8527E+00	-3.8236E+00	5.4280E+00	224.8	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB53	6 -6.328E+01		1 8.1539E+00	-8.1993E+01	8.2398E+01	275.7	
			2 -4.9846E+01	2.1410E+01	5.4250E+01	156.8	
			3 -2.3323E+01	-6.4551E+01	6.8635E+01	250.1	
			4 -3.8395E+00	8.1305E+00	8.9915E+00	115.3	
			5 3.3969E+00	9.7483E+00	1.0323E+01	79.8	
			6 -1.6290E+00	-1.5070E+01	1.5158E+01	263.8	
			7 -1.2936E+00	-1.6776E+01	1.6825E+01	265.6	
			8 3.1336E+00	-1.3182E+01	1.3549E+01	283.4	
			9 -2.1377E+01	-1.8092E+01	2.7948E+01	224.1	
			10 -4.4165E+00	-6.3134E+00	7.7448E+00	235.4	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB53	7 -6.106E+01		1 -1.8948E+01	-5.9580E+01	6.2520E+01	252.4	
			2 -5.6690E+01	1.7549E+01	5.9344E+01	152.8	
			3 -9.8566E+00	-6.9515E+01	7.0214E+01	261.9	
			4 3.5140E+00	1.0816E+01	1.1373E+01	72.0	
			5 -2.5741E+01	8.3509E+00	8.3549E+00	88.2	
			6 -2.8414E+00	-2.4131E+01	2.4298E+01	263.3	
			7 2.7620E+00	-2.2587E+01	2.2755E+01	277.4	
			8 1.2971E+01	-1.5979E+01	2.0581E+01	309.1	
			9 -1.8360E+01	-4.3167E+01	4.6909E+01	247.6	
			10 -6.6290E+02	-1.0583E+01	1.0583E+01	269.6	

ORIGINAL PAGE IS  
OF POOR QUALITY

TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB53	8	-4.213E+01	1	-4.8243E+01	-2.9609E+01	5.6600E+01	211.5
			2	-6.3135E+01	9.2625E+00	6.3811E+01	171.7
			3	4.8041E+01	7.2113E-01	4.8047E+01	8.9
			4	1.4005E+00	1.4356E+01	1.4424E+01	84.4
			5	9.1289E+00	1.3052E+01	1.5928E+01	55.1
			6	-2.6646E+01	-1.0303E+01	2.8462E+01	288.5
			7	6.6823E+00	-2.6473E+01	2.7323E+01	284.2
			8	3.1685E+01	1.7097E+01	3.6403E+01	331.6
			9	-3.8261E+01	-6.7583E+00	3.1406E+01	192.6
			10	2.7024E+00	-3.0622E+00	4.0841E+00	311.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB90	1	0.0000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	132.5
			2	0.0000E+00	0.0000E+00	0.0000E+00	358.1
			3	0.0000E+00	0.0000E+00	0.0000E+00	138.3
			4	0.0000E+00	0.0000E+00	0.0000E+00	46.7
			5	0.0000E+00	0.0000E+00	0.0000E+00	338.0
			6	0.0000E+00	0.0000E+00	0.0000E+00	17.0
			7	0.0000E+00	0.0000E+00	0.0000E+00	181.8
			8	0.0000E+00	0.0000E+00	0.0000E+00	345.1
			9	0.0000E+00	0.0000E+00	0.0000E+00	267.1
			10	0.0000E+00	0.0000E+00	0.0000E+00	71.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB90	2	0.0000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	113.4
			2	0.0000E+00	0.0000E+00	0.0000E+00	184.5
			3	0.0000E+00	0.0000E+00	0.0000E+00	95.1
			4	0.0000E+00	0.0000E+00	0.0000E+00	147.5
			5	0.0000E+00	0.0000E+00	0.0000E+00	97.9
			6	0.0000E+00	0.0000E+00	0.0000E+00	74.6
			7	0.0000E+00	0.0000E+00	0.0000E+00	112.7
			8	0.0000E+00	0.0000E+00	0.0000E+00	195.5
			9	0.0000E+00	0.0000E+00	0.0000E+00	341.2
			10	0.0000E+00	0.0000E+00	0.0000E+00	37.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB90	3	0.0000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	33.9
			2	0.0000E+00	0.0000E+00	0.0000E+00	96.1
			3	0.0000E+00	0.0000E+00	0.0000E+00	219.3
			4	0.0000E+00	0.0000E+00	0.0000E+00	140.8
			5	0.0000E+00	0.0000E+00	0.0000E+00	321.7
			6	0.0000E+00	0.0000E+00	0.0000E+00	15.9
			7	0.0000E+00	0.0000E+00	0.0000E+00	108.7
			8	0.0000E+00	0.0000E+00	0.0000E+00	106.7
			9	0.0000E+00	0.0000E+00	0.0000E+00	79.8
			10	0.0000E+00	0.0000E+00	0.0000E+00	25.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB90	4	0.0000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	325.2
			2	0.0000E+00	0.0000E+00	0.0000E+00	64.5
			3	0.0000E+00	0.0000E+00	0.0000E+00	141.1
			4	0.0000E+00	0.0000E+00	0.0000E+00	191.1
			5	0.0000E+00	0.0000E+00	0.0000E+00	245.5
			6	0.0000E+00	0.0000E+00	0.0000E+00	256.5
			7	0.0000E+00	0.0000E+00	0.0000E+00	45.3
			8	0.0000E+00	0.0000E+00	0.0000E+00	9.9
			9	0.0000E+00	0.0000E+00	0.0000E+00	345.6
			10	0.0000E+00	0.0000E+00	0.0000E+00	91.6

TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB98	5	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	274.6
			2	0.0000E+00	0.0000E+00	0.0000E+00	20.9
			3	0.0000E+00	0.0000E+00	0.0000E+00	33.4
			4	0.0000E+00	0.0000E+00	0.0000E+00	139.6
			5	0.0000E+00	0.0000E+00	0.0000E+00	235.3
			6	0.0000E+00	0.0000E+00	0.0000E+00	348.5
			7	0.0000E+00	0.0000E+00	0.0000E+00	289.7
			8	0.0000E+00	0.0000E+00	0.0000E+00	295.1
			9	0.0000E+00	0.0000E+00	0.0000E+00	58.9
			10	0.0000E+00	0.0000E+00	0.0000E+00	262.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB98	6	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	330.9
			2	0.0000E+00	0.0000E+00	0.0000E+00	7.2
			3	0.0000E+00	0.0000E+00	0.0000E+00	238.3
			4	0.0000E+00	0.0000E+00	0.0000E+00	343.0
			5	0.0000E+00	0.0000E+00	0.0000E+00	307.1
			6	0.0000E+00	0.0000E+00	0.0000E+00	163.2
			7	0.0000E+00	0.0000E+00	0.0000E+00	3.8
			8	0.0000E+00	0.0000E+00	0.0000E+00	196.1
			9	0.0000E+00	0.0000E+00	0.0000E+00	202.5
			10	0.0000E+00	0.0000E+00	0.0000E+00	105.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB98	7	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	205.5
			2	0.0000E+00	0.0000E+00	0.0000E+00	176.8
			3	0.0000E+00	0.0000E+00	0.0000E+00	59.8
			4	0.0000E+00	0.0000E+00	0.0000E+00	168.4
			5	0.0000E+00	0.0000E+00	0.0000E+00	105.4
			6	0.0000E+00	0.0000E+00	0.0000E+00	58.1
			7	0.0000E+00	0.0000E+00	0.0000E+00	298.3
			8	0.0000E+00	0.0000E+00	0.0000E+00	204.0
			9	0.0000E+00	0.0000E+00	0.0000E+00	267.4
			10	0.0000E+00	0.0000E+00	0.0000E+00	262.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004FB98	8	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	127.7
			2	0.0000E+00	0.0000E+00	0.0000E+00	330.5
			3	0.0000E+00	0.0000E+00	0.0000E+00	235.6
			4	0.0000E+00	0.0000E+00	0.0000E+00	261.4
			5	0.0000E+00	0.0000E+00	0.0000E+00	27.8
			6	0.0000E+00	0.0000E+00	0.0000E+00	285.0
			7	0.0000E+00	0.0000E+00	0.0000E+00	171.2
			8	0.0000E+00	0.0000E+00	0.0000E+00	220.3
			9	0.0000E+00	0.0000E+00	0.0000E+00	52.3
			10	0.0000E+00	0.0000E+00	0.0000E+00	42.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004CB18	1	0.000F+00	1	0.0000E+00	0.0000E+00	0.0000E+00	226.8
			2	0.0000E+00	0.0000E+00	0.0000E+00	245.6
			3	0.0000E+00	0.0000E+00	0.0000E+00	264.7
			4	0.0000E+00	0.0000E+00	0.0000E+00	330.1
			5	0.0000E+00	0.0000E+00	0.0000E+00	29.5
			6	0.0000E+00	0.0000E+00	0.0000E+00	240.5
			7	0.0000E+00	0.0000E+00	0.0000E+00	210.2
			8	0.0000E+00	0.0000E+00	0.0000E+00	279.9
			9	0.0000E+00	0.0000E+00	0.0000E+00	143.3
			10	0.0000E+00	0.0000E+00	0.0000E+00	125.9

ORIGINAL PAGE IS  
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TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004CB18	2	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	158.3
			2	0.0000E+00	0.0000E+00	0.0000E+00	289.2
			3	0.0000E+00	0.0000E+00	0.0000E+00	162.9
			4	0.0000E+00	0.0000E+00	0.0000E+00	322.9
			5	0.0000E+00	0.0000E+00	0.0000E+00	5.1
			6	0.0000E+00	0.0000E+00	0.0000E+00	8.9
			7	0.0000E+00	0.0000E+00	0.0000E+00	148.1
			8	0.0000E+00	0.0000E+00	0.0000E+00	83.2
			9	0.0000E+00	0.0000E+00	0.0000E+00	264.4
			10	0.0000E+00	0.0000E+00	0.0000E+00	228.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004CR18	3	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	247.2
			2	0.0000E+00	0.0000E+00	0.0000E+00	46.5
			3	0.0000E+00	0.0000E+00	0.0000E+00	136.6
			4	0.0000E+00	0.0000E+00	0.0000E+00	269.2
			5	0.0000E+00	0.0000E+00	0.0000E+00	156.3
			6	0.0000E+00	0.0000E+00	0.0000E+00	16.7
			7	0.0000E+00	0.0000E+00	0.0000E+00	292.4
			8	0.0000E+00	0.0000E+00	0.0000E+00	308.9
			9	0.0000E+00	0.0000E+00	0.0000E+00	14.5
			10	0.0000E+00	0.0000E+00	0.0000E+00	207.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004CB18	4	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	191.2
			2	0.0000E+00	0.0000E+00	0.0000E+00	161.5
			3	0.0000E+00	0.0000E+00	0.0000E+00	340.9
			4	0.0000E+00	0.0000E+00	0.0000E+00	342.1
			5	0.0000E+00	0.0000E+00	0.0000E+00	277.8
			6	0.0000E+00	0.0000E+00	0.0000E+00	127.6
			7	0.0000E+00	0.0000E+00	0.0000E+00	132.6
			8	0.0000E+00	0.0000E+00	0.0000E+00	349.1
			9	0.0000E+00	0.0000E+00	0.0000E+00	177.3
			10	0.0000E+00	0.0000E+00	0.0000E+00	21.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004CB18	5	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	41.3
			2	0.0000E+00	0.0000E+00	0.0000E+00	78.7
			3	0.0000E+00	0.0000E+00	0.0000E+00	243.6
			4	0.0000E+00	0.0000E+00	0.0000E+00	359.1
			5	0.0000E+00	0.0000E+00	0.0000E+00	54.9
			6	0.0000E+00	0.0000E+00	0.0000E+00	158.4
			7	0.0000E+00	0.0000E+00	0.0000E+00	164.1
			8	0.0000E+00	0.0000E+00	0.0000E+00	19.6
			9	0.0000E+00	0.0000E+00	0.0000E+00	322.6
			10	0.0000E+00	0.0000E+00	0.0000E+00	243.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004CB18	6	0.000E+00	1	0.0000E+00	0.0000F+00	0.0000E+00	134.5
			2	0.0000E+00	0.0000E+00	0.0000E+00	322.9
			3	0.0000E+00	0.0000E+00	0.0000E+00	169.7
			4	0.0000E+00	0.0000E+00	0.0000E+00	244.1
			5	0.0000E+00	0.0000F+00	0.0000E+00	183.0
			6	0.0000E+00	0.0000E+00	0.0000E+00	29.8
			7	0.0000E+00	0.0000E+00	0.0000E+00	76.6
			8	0.0000E+00	0.0000E+00	0.0000E+00	289.4
			9	0.0000E+00	0.0000E+00	0.0000E+00	218.5
			10	0.0000E+00	0.0000E+00	0.0000E+00	326.8

TABLE 9.- CONTINUED

## c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004CB18	7	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	322.3
			2	0.0000E+00	0.0000E+00	0.0000E+00	104.1
			3	0.0000E+00	0.0000E+00	0.0000E+00	106.0
			4	0.0000E+00	0.0000E+00	0.0000E+00	327.7
			5	0.0000E+00	0.0000E+00	0.0000E+00	158.2
			6	0.0000E+00	0.0000E+00	0.0000E+00	78.4
			7	0.0000E+00	0.0000E+00	0.0000E+00	245.5
			8	0.0000E+00	0.0000E+00	0.0000E+00	197.5
			9	0.0000E+00	0.0000E+00	0.0000E+00	90.3
			10	0.0000E+00	0.0000E+00	0.0000E+00	57.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004CB18	8	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	44.5
			2	0.0000E+00	0.0000E+00	0.0000E+00	214.3
			3	0.0000E+00	0.0000E+00	0.0000E+00	2.5
			4	0.0000E+00	0.0000E+00	0.0000E+00	323.9
			5	0.0000E+00	0.0000E+00	0.0000E+00	222.9
			6	0.0000E+00	0.0000E+00	0.0000E+00	28.3
			7	0.0000E+00	0.0000E+00	0.0000E+00	96.4
			8	0.0000E+00	0.0000E+00	0.0000E+00	253.4
			9	0.0000E+00	0.0000E+00	0.0000E+00	249.4
			10	0.0000E+00	0.0000E+00	0.0000E+00	24.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004CB90	1	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	294.4
			2	0.0000E+00	0.0000E+00	0.0000E+00	114.3
			3	0.0000E+00	0.0000E+00	0.0000E+00	331.1
			4	0.0000E+00	0.0000E+00	0.0000E+00	111.5
			5	0.0000E+00	0.0000E+00	0.0000E+00	156.7
			6	0.0000E+00	0.0000E+00	0.0000E+00	261.1
			7	0.0000E+00	0.0000E+00	0.0000E+00	257.4
			8	0.0000E+00	0.0000E+00	0.0000E+00	44.4
			9	0.0000E+00	0.0000E+00	0.0000E+00	5.1
			10	0.0000E+00	0.0000E+00	0.0000E+00	93.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004CB90	2	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	326.8
			2	0.0000E+00	0.0000E+00	0.0000E+00	284.4
			3	0.0000E+00	0.0000E+00	0.0000E+00	261.4
			4	0.0000E+00	0.0000E+00	0.0000E+00	205.5
			5	0.0000E+00	0.0000E+00	0.0000E+00	87.3
			6	0.0000E+00	0.0000E+00	0.0000E+00	192.3
			7	0.0000E+00	0.0000E+00	0.0000E+00	292.4
			8	0.0000E+00	0.0000E+00	0.0000E+00	55.2
			9	0.0000E+00	0.0000E+00	0.0000E+00	124.4
			10	0.0000E+00	0.0000E+00	0.0000E+00	247.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004CB90	3	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	178.4
			2	0.0000E+00	0.0000E+00	0.0000E+00	342.4
			3	0.0000E+00	0.0000E+00	0.0000E+00	126.4
			4	0.0000E+00	0.0000E+00	0.0000E+00	176.4
			5	0.0000E+00	0.0000E+00	0.0000E+00	188.8
			6	0.0000E+00	0.0000E+00	0.0000E+00	201.6
			7	0.0000E+00	0.0000E+00	0.0000E+00	151.8
			8	0.0000E+00	0.0000E+00	0.0000E+00	334.7
			9	0.0000E+00	0.0000E+00	0.0000E+00	315.7
			10	0.0000E+00	0.0000E+00	0.0000E+00	313.1

ORIGINAL PAGE IS  
OF POOR QUALITY

TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004CB90	4	0.000E+00	1	0.0000E+00	0.0000E+00	0.1000E+00	229.5
			2	0.0000E+00	0.0000E+00	0.0000E+00	255.2
			3	0.0000E+00	0.0000E+00	0.0000E+00	243.1
			4	0.0000E+00	0.0000E+00	0.0000E+00	295.5
			5	0.0000E+00	0.0000E+00	0.0000E+00	317.3
			6	0.0000E+00	0.0000E+00	0.0000E+00	269.1
			7	0.0000E+00	0.0000E+00	0.0000E+00	209.5
			8	0.0000E+00	0.0000E+00	0.0000E+00	294.0
			9	0.0000E+00	0.0000E+00	0.0000E+00	8.4
			10	0.0000E+00	0.0000E+00	0.0000E+00	319.0
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004CB90	5	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	165.0
			2	0.0000E+00	0.0000E+00	0.0000E+00	111.3
			3	0.0000E+00	0.0000E+00	0.0000E+00	236.1
			4	0.0000E+00	0.0000E+00	0.0000E+00	174.9
			5	0.0000E+00	0.0000E+00	0.0000E+00	244.3
			6	0.0000E+00	0.0000E+00	0.0000E+00	194.9
			7	0.0000E+00	0.0000E+00	0.0000E+00	168.3
			8	0.0000E+00	0.0000E+00	0.0000E+00	233.8
			9	0.0000E+00	0.0000E+00	0.0000E+00	326.9
			10	0.0000E+00	0.0000E+00	0.0000E+00	239.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004CB90	6	0.000E+00	1	0.0000E+00	0.0000E+00	0.1000E+00	167.0
			2	0.0000E+00	0.0000E+00	0.0000E+00	92.0
			3	0.0000E+00	0.0000E+00	0.0000E+00	119.4
			4	0.0000E+00	0.0000E+00	0.0000E+00	154.7
			5	0.0000E+00	0.0000E+00	0.0000E+00	86.9
			6	0.0000E+00	0.0000E+00	0.0000E+00	188.0
			7	0.0000E+00	0.0000E+00	0.0000E+00	130.4
			8	0.0000E+00	0.0000E+00	0.0000E+00	164.6
			9	0.0000E+00	0.0000E+00	0.0000E+00	247.8
			10	0.0000E+00	0.0000E+00	0.0000E+00	85.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004CB90	7	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	354.0
			2	0.0000E+00	0.0000E+00	0.0000E+00	130.0
			3	0.0000E+00	0.0000E+00	0.0000E+00	325.7
			4	0.0000E+00	0.0000E+00	0.0000E+00	155.5
			5	0.0000E+00	0.0000E+00	0.0000E+00	105.2
			6	0.0000E+00	0.0000E+00	0.0000E+00	251.3
			7	0.0000E+00	0.0000E+00	0.0000E+00	262.2
			8	0.0000E+00	0.0000E+00	0.0000E+00	64.4
			9	0.0000E+00	0.0000E+00	0.0000E+00	3.9
			10	0.0000E+00	0.0000E+00	0.0000E+00	210.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004CB90	8	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	348.0
			2	0.0000E+00	0.0000E+00	0.0000E+00	301.4
			3	0.0000E+00	0.0000E+00	0.0000E+00	288.0
			4	0.0000E+00	0.0000E+00	0.0000E+00	54.6
			5	0.0000E+00	0.0000E+00	0.0000E+00	99.4
			6	0.0000E+00	0.0000E+00	0.0000E+00	13.4
			7	0.0000E+00	0.0000E+00	0.0000E+00	205.3
			8	0.0000E+00	0.0000E+00	0.0000E+00	88.1
			9	0.0000E+00	0.0000E+00	0.0000E+00	94.2
			10	0.0000E+00	0.0000E+00	0.0000E+00	126.7

TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004PANG	1	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	105.4
			2	0.0000E+00	0.0000E+00	0.0000E+00	141.3
			3	0.0000E+00	0.0000E+00	0.0000E+00	50.7
			4	0.0000E+00	0.0000E+00	0.0000E+00	356.5
			5	0.0000E+00	0.0000E+00	0.0000E+00	245.9
			6	0.0000E+00	0.0000E+00	0.0000E+00	57.1
			7	0.0000E+00	0.0000E+00	0.0000E+00	121.2
			8	0.0000E+00	0.0000E+00	0.0000E+00	236.6
			9	0.0000E+00	0.0000E+00	0.0000E+00	291.9
			10	0.0000E+00	0.0000E+00	0.0000E+00	37.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004PANG	2	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	87.7
			2	0.0000E+00	0.0000E+00	0.0000E+00	100.8
			3	0.0000E+00	0.0000E+00	0.0000E+00	142.6
			4	0.0000E+00	0.0000E+00	0.0000E+00	287.4
			5	0.0000E+00	0.0000E+00	0.0000E+00	313.5
			6	0.0000E+00	0.0000E+00	0.0000E+00	268.9
			7	0.0000E+00	0.0000E+00	0.0000E+00	316.5
			8	0.0000E+00	0.0000E+00	0.0000E+00	14.1
			9	0.0000E+00	0.0000E+00	0.0000E+00	295.4
			10	0.0000E+00	0.0000E+00	0.0000E+00	90.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004PANG	3	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	192.7
			2	0.0000E+00	0.0000E+00	0.0000E+00	133.5
			3	0.0000E+00	0.0000E+00	0.0000E+00	225.9
			4	0.0000E+00	0.0000E+00	0.0000E+00	87.5
			5	0.0000E+00	0.0000E+00	0.0000E+00	208.6
			6	0.0000E+00	0.0000E+00	0.0000E+00	169.5
			7	0.0000E+00	0.0000E+00	0.0000E+00	32.1
			8	0.0000E+00	0.0000E+00	0.0000E+00	353.1
			9	0.0000E+00	0.0000E+00	0.0000E+00	329.2
			10	0.0000E+00	0.0000E+00	0.0000E+00	4.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004PANG	4	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	25.8
			2	0.0000E+00	0.0000E+00	0.0000E+00	212.1
			3	0.0000E+00	0.0000E+00	0.0000E+00	176.5
			4	0.0000E+00	0.0000E+00	0.0000E+00	184.3
			5	0.0000E+00	0.0000E+00	0.0000E+00	357.9
			6	0.0000E+00	0.0000E+00	0.0000E+00	70.7
			7	0.0000E+00	0.0000E+00	0.0000E+00	280.7
			8	0.0000E+00	0.0000E+00	0.0000E+00	320.4
			9	0.0000E+00	0.0000E+00	0.0000E+00	44.9
			10	0.0000E+00	0.0000E+00	0.0000E+00	302.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004PANG	5	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	77.7
			2	0.0000E+00	0.0000E+00	0.0000E+00	87.2
			3	0.0000E+00	0.0000E+00	0.0000E+00	254.2
			4	0.0000E+00	0.0000E+00	0.0000E+00	264.6
			5	0.0000E+00	0.0000E+00	0.0000E+00	138.8
			6	0.0000E+00	0.0000E+00	0.0000E+00	170.9
			7	0.0000E+00	0.0000E+00	0.0000E+00	334.2
			8	0.0000E+00	0.0000E+00	0.0000E+00	170.9
			9	0.0000E+00	0.0000E+00	0.0000E+00	129.9
			10	0.0000E+00	0.0000E+00	0.0000E+00	350.7

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TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004PANG	6	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	8.2
			2	0.0000E+00	0.0000E+00	0.0000E+00	339.3
			3	0.0000E+00	0.0000E+00	0.0000E+00	303.8
			4	0.0000E+00	0.0000E+00	0.0000E+00	214.3
			5	0.0000E+00	0.0000E+00	0.0000E+00	210.7
			6	0.0000E+00	0.0000E+00	0.0000E+00	322.0
			7	0.0000E+00	0.0000E+00	0.0000E+00	139.3
			8	0.0000E+00	0.0000E+00	0.0000E+00	233.6
			9	0.0000E+00	0.0000E+00	0.0000E+00	331.0
			10	0.0000E+00	0.0000E+00	0.0000E+00	183.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004PANG	7	0.000E+00	1	0.0000E+00	0.00000E+00	0.0000E+00	164.4
			2	0.0000E+00	0.0000E+00	0.0000E+00	89.8
			3	0.0000E+00	0.0000E+00	0.0000E+00	196.4
			4	0.0000E+00	0.0000E+00	0.0000E+00	248.2
			5	0.0000E+00	0.0000E+00	0.0000E+00	90.7
			6	0.0000E+00	0.0000E+00	0.0000E+00	60.1
			7	0.0000E+00	0.0000E+00	0.0000E+00	117.4
			8	0.0000E+00	0.0000E+00	0.0000E+00	187.5
			9	0.0000E+00	0.0000E+00	0.0000E+00	13.9
			10	0.0000E+00	0.0000E+00	0.0000E+00	10.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 004PANG	8	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	74.9
			2	0.0000E+00	0.0000E+00	0.0000E+00	131.3
			3	0.0000E+00	0.0000E+00	0.0000E+00	247.2
			4	0.0000E+00	0.0000E+00	0.0000E+00	232.9
			5	0.0000E+00	0.0000E+00	0.0000E+00	198.4
			6	0.0000E+00	0.0000E+00	0.0000E+00	264.3
			7	0.0000E+00	0.0000E+00	0.0000E+00	327.3
			8	0.0000E+00	0.0000E+00	0.0000E+00	142.5
			9	0.0000E+00	0.0000E+00	0.0000E+00	94.1
			10	0.0000E+00	0.0000E+00	0.0000E+00	267.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 PTCHLINK	1	-5.816E+01	1	1.8987E+01	2.7467E+00	1.9185E+01	8.2
			2	-7.5633E+00	9.1896E+00	1.1840E+01	129.7
			3	-1.0322E+00	-9.4233E+00	9.4797E+00	263.7
			4	-4.7735E+00	-1.9161E+00	5.1437E+00	201.9
			5	-5.6556E-01	8.9503E-01	1.0587E+00	122.3
			6	1.0405E+00	-9.8924E-01	1.4357E+00	316.4
			7	2.7869E+00	1.6254E+00	3.2226E+00	34.3
			8	-2.8601E-01	-2.9953E+00	2.1147E+00	262.2
			9	-3.0278E-02	-5.9926E-01	6.0002E+00	267.1
			10	7.6129E-01	-1.1885E+00	1.4114E+00	302.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 PTCHLINK	2	-5.760E+01	1	2.5518E+01	-2.6974E+00	2.5664E+01	354.0
			2	-1.1926E+01	1.5750E+01	1.9756E+01	127.1
			3	1.4061E+00	1.0812E+00	1.7737E+00	37.6
			4	3.3449E+00	-3.0432E+00	4.5221E+00	317.7
			5	3.4672E+00	7.7545E-01	3.5528E+00	12.6
			6	-3.3800E+00	-8.9222E+00	9.3129E+00	249.7
			7	-1.6660E+00	2.6965E+00	3.1696E+00	121.7
			8	1.2174E+00	-5.1086E-01	1.3199E+00	337.2
			9	-1.0449E+00	6.7651E-01	1.2448E+00	147.1
			10	1.3337E+00	2.8356E-01	1.3035E+00	12.1

TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 PTCHLINK	3	-5.788E+01	1	3.1347E+01	-5.3946E+01	3.1808E+01	351.2
			2	-1.7128E+01	1.8195E+01	2.4989E+01	133.3
			3	-7.4967E+01	6.4551E+01	6.4984E+00	96.6
			4	9.0030E+00	-3.2547E+01	9.5733E+00	340.1
			5	7.1445E+00	2.3207E+01	7.1483E+00	1.9
			6	-1.1669E+01	-1.7720E+01	2.1218E+01	236.6
			7	-5.6291E+00	3.7344E+00	6.7552E+00	146.4
			8	8.5617E+01	1.7078E+00	1.9104E+00	63.4
			9	-8.1345E+01	5.0200E+01	9.5588E+01	148.3
			10	4.1327E+01	-2.2940E+01	4.7267E+01	331.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 PTCHLINK	4	-5.192E+01	1	1.8611E+01	2.3009E+00	1.8752E+01	7.0
			2	-8.6650E+00	7.4934E+00	1.1455E+01	139.1
			3	-8.8767E+01	-8.0135E+00	8.0625E+00	263.7
			4	-3.2852E+00	-2.5164E+00	4.4754E+00	218.1
			5	-1.8290E+00	1.4063E+00	2.3672E+00	142.4
			6	2.4460E+00	-1.0288E+00	2.6176E+00	336.9
			7	1.6033E+00	2.6884E+00	3.1302E+00	59.2
			8	1.4687E+00	-2.2317E+00	2.6716E+00	303.3
			9	-8.1497E+01	-5.0435E+01	9.5841E+01	211.8
			10	3.3121E+01	1.5922E+02	3.3159E+01	2.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 PTCHLINK	5	-5.291E+01	1	1.1773E+01	5.9779E+00	1.3203E+01	26.9
			2	-5.8334E+00	5.7995E+00	8.2257E+00	135.2
			3	-3.5964E+00	-6.4041E+00	7.3448E+00	240.7
			4	-6.1096E+00	2.5255E+00	6.6111E+00	157.5
			5	-1.2604E+00	9.2997E+00	1.5610E+00	143.8
			6	2.2656E+00	1.7512E+00	2.8635E+00	37.7
			7	2.9378E+00	5.4801E+00	2.0884E+00	10.6
			8	-5.2555E+01	5.8615E+01	7.8726E+01	131.9
			9	-8.9828E+01	-6.4792E+01	1.1476E+00	215.8
			10	-1.0902E+00	2.4535E+01	1.1174E+00	167.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 PTCHLINK	6	-5.249E+01	1	6.7289E+00	9.3329E+00	1.1506E+01	54.2
			2	-7.6298E+00	2.5994E+00	7.4948E+00	159.7
			3	-3.2842E+00	-8.9008E+00	9.4874E+00	240.7
			4	-4.9857E+00	9.6949E+00	5.0791E+00	169.0
			5	-6.1348E+00	-1.3529E+00	1.4855E+00	245.6
			6	2.6240E+00	-2.3162E+00	3.5000E+00	318.6
			7	3.4503E+00	1.2594E+00	1.3058E+00	74.7
			8	-1.3273E+00	5.8435E+00	1.4486E+00	156.4
			9	-1.6471E+00	1.4813E+00	1.6537E+00	174.9
			10	3.2974E+00	1.5112E+00	3.6272E+00	24.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 PTCHLINK	7	-5.320E+01	1	-2.2342E+00	1.1700E+01	1.1911E+01	100.8
			2	-8.6047E+00	1.2034E+00	8.6884E+00	172.4
			3	-1.9862E+00	-7.5750E+00	7.8319E+00	255.3
			4	-4.3241E+00	1.4081E+00	4.5476E+00	162.5
			5	2.2281E+00	-1.5868E+00	2.7354E+00	324.5
			6	5.1178E+00	-2.1237E+00	5.5410E+00	337.5
			7	8.7137E+00	9.3483E+00	1.2784E+00	47.0
			8	-1.8709E+00	-1.5040E+00	2.4005E+00	218.8
			9	-2.7733E+00	-7.9550E+00	2.8851E+00	196.0
			10	4.3262E+00	-7.1218E+00	8.3328E+00	301.3

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TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
<b>38 PTCHLINK</b>	<b>8</b>	<b>-5.731E+01</b>	1	-4.6150E+00	1.7628E+01	1.8222E+01	104.7
			2	-7.4327E+00	8.3784E-01	7.4798E+00	173.6
			3	3.8663E+00	2.5851E+00	3.9595E+00	39.2
			4	-3.6065E+00	5.4469E+00	6.5326E+00	123.5
			5	6.8945E-01	5.9098E+00	5.9499E+00	83.3
			6	2.2554E+00	-3.7891E+00	4.4095E+00	300.8
			7	8.9129E-01	3.3748E+00	3.4905E+00	75.2
			8	2.3248E+00	-3.1W78E+00	3.8811E+00	306.8
			9	-1.5930E+00	-8.4533E-01	1.8234E+00	208.9
			10	-6.9245E-01	-1.2380E+00	1.4185E+00	244.8
<b>RUN FIRST 1/R</b>	<b>TP</b>	<b>STEADY</b>	<b>HN</b>	<b>COS</b>	<b>SIN</b>	<b>RESULTANT</b>	<b>SCPHASE</b>
<b>38 LEADLAG</b>	<b>1</b>	<b>0.000E+00</b>	1	0.0000E+00	0.0000E+00	0.0000E+00	97.4
			2	0.0000E+00	0.0000E+00	0.0000E+00	228.2
			3	0.0000E+00	0.0000E+00	0.0000E+00	92.5
			4	0.0000E+00	0.0000E+00	0.0000E+00	354.3
			5	0.0000E+00	0.0000E+00	0.0000E+00	25.4
			6	0.0000E+00	0.0000E+00	0.0000E+00	169.4
			7	0.0000E+00	0.0000E+00	0.0000E+00	347.7
			8	0.0000E+00	0.0000E+00	0.0000E+00	181.6
			9	0.0000E+00	0.0000E+00	0.0000E+00	299.9
			10	0.0000E+00	0.0000E+00	0.0000E+00	260.8
<b>RUN FIRST 1/R</b>	<b>TP</b>	<b>STEADY</b>	<b>HN</b>	<b>COS</b>	<b>SIN</b>	<b>RESULTANT</b>	<b>SCPHASE</b>
<b>38 LEADLAG</b>	<b>2</b>	<b>0.000E+00</b>	1	0.0000E+00	0.0000E+00	0.0000E+00	176.9
			2	0.0000E+00	0.0000E+00	0.0000E+00	66.8
			3	0.0000E+00	0.0000E+00	0.0000E+00	64.8
			4	0.0000E+00	0.0000E+00	0.0000E+00	291.4
			5	0.0000E+00	0.0000E+00	0.0000E+00	104.3
			6	0.0000E+00	0.0000E+00	0.0000E+00	245.6
			7	0.0000E+00	0.0000E+00	0.0000E+00	35.6
			8	0.0000E+00	0.0000E+00	0.0000E+00	56.6
			9	0.0000E+00	0.0000E+00	0.0000E+00	217.9
			10	0.0000E+00	0.0000E+00	0.0000E+00	344.7
<b>RUN FIRST 1/R</b>	<b>TP</b>	<b>STEADY</b>	<b>HN</b>	<b>COS</b>	<b>SIN</b>	<b>RESULTANT</b>	<b>SCPHASE</b>
<b>38 LEADLAG</b>	<b>3</b>	<b>0.000E+00</b>	1	0.0000E+00	0.0000E+00	0.0000E+00	236.1
			2	0.0000E+00	0.0000E+00	0.0000E+00	302.1
			3	0.0000E+00	0.0000E+00	0.0000E+00	279.9
			4	0.0000E+00	0.0000E+00	0.0000E+00	317.7
			5	0.0000E+00	0.0000E+00	0.0000E+00	64.7
			6	0.0000E+00	0.0000E+00	0.0000E+00	195.9
			7	0.0000E+00	0.0000E+00	0.0000E+00	186.1
			8	0.0000E+00	0.0000E+00	0.0000E+00	4.4
			9	0.0000E+00	0.0000E+00	0.0000E+00	259.4
			10	0.0000E+00	0.0000E+00	0.0000E+00	327.6
<b>RUN FIRST 1/R</b>	<b>TP</b>	<b>STEADY</b>	<b>HN</b>	<b>COS</b>	<b>SIN</b>	<b>RESULTANT</b>	<b>SCPHASE</b>
<b>38 LEADLAG</b>	<b>4</b>	<b>0.000E+00</b>	1	0.0000E+00	0.0000E+00	0.0000E+00	113.7
			2	0.0000E+00	0.0000E+00	0.0000E+00	32.4
			3	0.0000E+00	0.0000E+00	0.0000E+00	203.4
			4	0.0000E+00	0.0000E+00	0.0000E+00	173.3
			5	0.0000E+00	0.0000E+00	0.0000E+00	93.5
			6	0.0000E+00	0.0000E+00	0.0000E+00	238.5
			7	0.0000E+00	0.0000E+00	0.0000E+00	340.2
			8	0.0000E+00	0.0000E+00	0.0000E+00	347.1
			9	0.0000E+00	0.0000E+00	0.0000E+00	209.1
			10	0.0000E+00	0.0000E+00	0.0000E+00	344.6

TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 LEADLAG	5	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	356.3
			2	0.0000E+00	0.0000E+00	0.0000E+00	173.2
			3	0.0000E+00	0.0000E+00	0.0000E+00	69.7
			4	0.0000E+00	0.0000E+00	0.0000E+00	59.2
			5	0.0000E+00	0.0000E+00	0.0000E+00	166.2
			6	0.0000E+00	0.0000E+00	0.0000E+00	57.6
			7	0.0000E+00	0.0000E+00	0.0000E+00	179.1
			8	0.0000E+00	0.0000E+00	0.0000E+00	307.7
			9	0.0000E+00	0.0000E+00	0.0000E+00	167.9
			10	0.0000E+00	0.0000E+00	0.0000E+00	0.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 LEADLAG	6	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	353.4
			2	0.0000E+00	0.0000E+00	0.0000E+00	201.1
			3	0.0000E+00	0.0000E+00	0.0000E+00	80.0
			4	0.0000E+00	0.0000E+00	0.0000E+00	229.0
			5	0.0000E+00	0.0000E+00	0.0000E+00	70.2
			6	0.0000E+00	0.0000E+00	0.0000E+00	262.4
			7	0.0000E+00	0.0000E+00	0.0000E+00	349.4
			8	0.0000E+00	0.0000E+00	0.0000E+00	273.8
			9	0.0000E+00	0.0000E+00	0.0000E+00	224.1
			10	0.0000E+00	0.0000E+00	0.0000E+00	236.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 LEADLAG	7	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	13.4
			2	0.0000E+00	0.0000E+00	0.0000E+00	216.7
			3	0.0000E+00	0.0000E+00	0.0000E+00	34.1
			4	0.0000E+00	0.0000E+00	0.0000E+00	174.2
			5	0.0000E+00	0.0000E+00	0.0000E+00	326.0
			6	0.0000E+00	0.0000E+00	0.0000E+00	206.6
			7	0.0000E+00	0.0000E+00	0.0000E+00	318.5
			8	0.0000E+00	0.0000E+00	0.0000E+00	188.1
			9	0.0000E+00	0.0000E+00	0.0000E+00	106.7
			10	0.0000E+00	0.0000E+00	0.0000E+00	282.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 LEADLAG	8	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	287.0
			2	0.0000E+00	0.0000E+00	0.0000E+00	86.4
			3	0.0000E+00	0.0000E+00	0.0000E+00	315.7
			4	0.0000E+00	0.0000E+00	0.0000E+00	125.3
			5	0.0000E+00	0.0000E+00	0.0000E+00	249.0
			6	0.0000E+00	0.0000E+00	0.0000E+00	350.5
			7	0.0000E+00	0.0000E+00	0.0000E+00	78.0
			8	0.0000E+00	0.0000E+00	0.0000E+00	115.1
			9	0.0000E+00	0.0000E+00	0.0000E+00	260.8
			10	0.0000E+00	0.0000E+00	0.0000E+00	260.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 FLAPANG	1	2.533E+00	1	-9.7064E-02	2.6804E-01	2.8507E-01	109.9
			2	-2.1607E-02	-1.1988E-01	1.2181E-01	259.8
			3	2.8567E-02	2.4522E-01	2.4688E-01	83.4
			4	-1.2314E-02	6.5843E-02	6.6985E-02	100.6
			5	1.1855E-02	4.3991E-02	4.5561E-02	74.0
			6	-3.3868E-02	3.7428E-03	3.4979E-02	173.8
			7	2.7133E-03	-1.9231E-02	1.9422E-02	278.0
			8	4.7032E-03	-1.1949E-02	1.2844E-02	291.6
			9	3.4471E-03	1.8924E-02	1.9236E-02	79.7
			10	8.0330E-03	1.5801E-03	8.1871E-03	11.1

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OF POOR QUALITY

TABLE 9.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 FLAPANG	2	2.526E+00	1	-4.3305E-01	4.2201E-03	4.3307E-01	179.4
			2	-6.5699E-02	-1.9609E-01	2.0680E-01	251.5
			3	-4.5217E-02	2.6869E-02	5.2598E-02	149.3
			4	-4.5816E-02	7.9231E-02	9.1524E-02	120.0
			5	-1.2714E-02	-5.7078E-03	1.3937E-02	284.2
			6	-8.1227E-02	-2.4736E-02	8.4910E-02	196.9
			7	1.0253E-04	-3.5332E-02	3.5332E-02	273.2
			8	-4.8713E-04	-2.1895E-02	2.1901E-02	268.7
			9	-2.4434E-03	1.5147E-02	1.5343E-02	99.2
			10	9.7454E-03	2.8846E-03	1.0163E-02	16.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 FLAPANG	3	2.590E+00	1	-4.7208E-01	-2.3161E-01	5.2583E-01	206.1
			2	-8.3955E-02	-2.1969E-01	2.3518E-01	249.1
			3	-1.9605E-02	-4.7085E-02	5.1003E-02	247.4
			4	-4.5236E-02	1.5080E-01	1.5744E-01	106.7
			5	2.7268E-02	-5.7616E-02	6.3743E-02	295.3
			6	-1.3753E-01	4.4376E-02	1.4451E-01	162.1
			7	-8.9754E-03	-4.6599E-02	4.7456E-02	259.1
			8	-5.1189E-03	-1.9594E-02	2.8162E-02	255.3
			9	2.2182E-02	8.0086E-03	2.3583E-02	19.9
			10	1.3264E-02	-5.0429E-03	1.4190E-02	339.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 FLAPANG	4	2.509E+00	1	-3.8540E-02	2.6807E-01	2.7082E-01	98.2
			2	-8.6493E-04	-1.2174E-01	1.2174E-01	269.6
			3	6.9731E-03	2.5250E-01	2.5259E-01	88.4
			4	-1.6503E-02	6.5260E-02	6.7314E-02	104.2
			5	6.0265E-03	3.7866E-02	3.8342E-02	81.3
			6	-5.1215E-02	-1.9670E-02	5.4655E-02	200.4
			7	1.1088E-03	-7.6319E-03	7.7119E-03	278.3
			8	1.4140E-02	2.4329E-04	1.4142E-02	1.1
			9	1.8505E-03	1.0254E-02	1.0420E-02	100.2
			10	6.9609E-03	2.0678E-03	7.2615E-03	16.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 FLAPANG	5	2.597E+00	1	5.0625E-01	1.2830E-01	5.2225E-01	14.2
			2	1.3129E-02	-7.9869E-02	8.0941E-02	279.3
			3	8.1638E-02	2.2200E-01	2.3653E-01	69.8
			4	-8.3879E-04	-1.3735E-02	1.3761E-02	266.5
			5	3.0147E-03	2.6202E-02	2.6375E-02	83.4
			6	1.3344E-02	-1.6955E-02	2.1577E-02	308.2
			7	-1.8498E-03	-1.6027E-02	1.6133E-02	263.4
			8	-6.1896E-03	-1.5928E-02	1.6252E-02	247.6
			9	4.8906E-03	-6.2644E-03	7.9474E-03	348.0
			10	2.8337E-03	-1.1587E-02	1.1928E-02	283.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 FLAPANG	6	2.590E+00	1	4.3859E-01	-1.8785E-01	4.7713E-01	336.8
			2	7.4774E-02	-6.8038E-02	1.0114E-01	317.7
			3	5.0407E-02	2.7163E-01	2.7627E-01	79.5
			4	5.5085E-03	-3.3715E-03	6.4584E-03	328.5
			5	3.5011E-03	1.7141E-02	1.7494E-02	78.5
			6	-1.4635E-02	-4.3634E-02	4.6023E-02	251.5
			7	-6.7693E-03	-2.5289E-02	2.6179E-02	255.0
			8	4.2349E-03	-1.2859E-02	1.3538E-02	288.2
			9	-2.0115E-02	-2.1389E-02	2.9362E-02	226.8
			10	-1.4765E-03	-1.5140E-02	1.5212E-02	264.4

TABLE 9.- CONCLUDED

## c) Concluded

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 FLAPANG	7	2.731E+00	1	1.0523E-01	2.1133E-01	2.3618E-01	63.5
			2	1.0317E-01	-4.9990E-02	1.1461E-01	334.2
			3	4.1327E-03	2.6968E-01	2.6971E-01	89.1
			4	1.0714E-02	-1.8531E-02	2.1443E-02	300.0
			5	-3.7889E-03	1.8836E-02	1.9214E-02	101.4
			6	-1.7822E-02	-6.4824E-02	6.7226E-02	254.6
			7	-6.0999E-03	-3.3824E-02	3.4374E-02	259.8
			8	1.1519E-02	-1.6448E-02	2.0081E-02	305.0
			9	-1.9161E-02	-5.1624E-02	5.5065E-02	249.6
			10	8.4971E-04	-1.9997E-02	2.0016E-02	272.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
38 FLAPANG	8	2.654E+00	1	3.5629E-01	-6.9757E-01	7.8329E-01	297.1
			2	1.2330E-01	-3.2382E-02	1.2748E-01	345.3
			3	-1.7157E-01	-9.9211E-03	1.7086E-01	183.3
			4	-7.6031E-03	-5.4437E-02	5.4966E-02	262.0
			5	4.4514E-02	-9.5806E-03	4.5534E-02	347.9
			6	-9.3260E-02	-2.2523E-03	9.3228E-02	181.4
			7	6.7574E-03	-3.3572E-02	3.4245E-02	281.4
			8	3.7692E-02	-2.3917E-02	4.4649E-02	327.6
			9	-4.0886E-02	-1.5058E-02	4.3571E-02	200.0
			10	6.6788E-03	-1.2039E-02	1.3767E-02	299.0

TABLE 10.- FIXED-TIP DATA FROM ADVANCE-RATIO SWEEP, RUN 59

a) Block A data

SUMMARY LISTING  
RUN 59 W0Z 59 WT 59

## LOW SPEED CALCULATED DATA

RUN	TP	MU'	ALPHAS	RPM1	VTIP	M1(9W)	M1(27W)
59	2	2.6328E+01	-1.6305E+00	7.9400E+02	6.9985E+02	7.6655E-01	5.8755E-01
	3	2.5542E+01	-2.4592E+00	7.9400E+02	6.9985E+02	7.9945E-01	4.7414E-01
	4	3.0511E+01	-3.0263E+00	7.9600E+02	7.0161E+02	8.3240E-01	4.4320E-01
	5	3.5585E+01	-4.3784E+00	7.9600E+02	7.0161E+02	8.6279E-01	4.0990E-01
	6	4.0673E+01	-5.2104E+00	7.9800E+02	7.0337E+02	8.9492E-01	3.7742E-01
	7	0.6000E+00	-2.7832E+01	9.0400E+00	8.0000E+00	3.4309E-03	-3.4309E-03
RUN	TP	VTUN	OTUN	RHOTUN	CTB	CTR	CHR
59	2	1.3978E+02	2.3428E+01	2.3981E-03	5.6683E-03	5.5585E-03	5.4266E-05
	3	1.7564E+02	3.6715E+01	2.3804E-03	5.5029E-03	5.4299E-03	7.2629E-05
	4	2.1033E+02	5.2147E+01	2.3575E-03	5.6341E-03	5.6955E-03	5.9956E-05
	5	2.4534E+02	6.9960E+01	2.3255E-03	5.6626E-03	5.6436E-03	1.1918E-04
	6	2.8109E+02	9.0425E+01	2.2890E-03	5.7543E-03	5.7795E-03	1.9231E-04
	7	3.7296E+02	1.6650E-02	2.3944E-03	5.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CHR	CYB	CYR	CPB	CPR	CT'B
59	2	1.0026E-04	-5.2861E-05	-4.8827E-05	2.4646E-04	2.5814E-04	5.6675E-03
	3	1.4439E-04	-8.6189E-05	-8.1656E-05	2.6876E-04	2.7285E-04	5.5009E-03
	4	1.6418E-04	-1.4737E-04	-1.4897E-04	3.2525E-04	3.2964E-04	5.6294E-03
	5	2.6262E-04	-1.0328E-04	-9.7050E-05	4.0496E-04	4.0946E-04	5.6551E-03
	6	3.8870E-04	-2.4588E-04	-2.3447E-04	5.5992E-04	5.6483E-04	5.7414E-03
	7	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CT'B	CXB	CXR	CDER	CDER	L/QD2B
59	2	5.5591E-03	1.9704E-04	5.7941E-05	1.1054E-03	1.1725E-03	2.1541E-01
	3	5.4311E-03	1.6356E-04	8.8729E-05	8.8866E-04	9.7947E-04	1.3243E-01
	4	5.6063E-03	2.3846E-04	1.3199E-04	8.2754E-04	9.4841E-04	9.4976E-02
	5	5.6472E-03	3.1347E-04	1.6900E-04	8.2455E-04	9.8165E-04	7.0145E-02
	6	5.7876E-03	4.3133E-04	2.3881E-04	9.4531E-04	1.1499E-03	5.4511E-02
	7	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	-4.1103E+00
RUN	TP	L/QD2B	X/QD2B	X/QD2R	P/QVD2B	P/QVD2R	DE/QD2B
59	2	2.1129E-01	4.0683E-03	2.2022E-03	4.6081E-02	4.6769E-02	4.2013E-02
	3	1.3075E-01	3.9376E-03	2.1361E-03	2.5332E-02	2.5716E-02	2.1394E-02
	4	9.4588E-02	4.0232E-03	2.2269E-03	1.7985E-02	1.8228E-02	1.3962E-02
	5	7.6046E-02	3.8882E-03	2.0962E-03	1.4116E-02	1.4272E-02	1.0228E-02
	6	5.4950E-02	4.0952E-03	2.2673E-03	1.3070E-02	1.3185E-02	8.9751E-03
	7	-4.1100E+00	-3.3181E-01	-3.3342E-01	0.0000E+00	0.0000E+00	3.3181E-01
RUN	TP	DE/QD2R	Y/QD2B	Y/QD2R	CPMB	CPMR	CRMB
59	2	4.4566E-02	-2.0092E-03	-1.8558E-03	-2.6106E-05	-2.6142E-05	1.1799E-05
	3	2.3580E-02	-2.0750E-03	-1.9658E-03	-3.8074E-05	-3.7827E-05	-8.2488E-06
	4	1.6001E-02	-2.4864E-03	-2.3783E-03	-5.9145E-05	-5.9488E-05	-3.3073E-05
	5	1.2176E-02	-1.2811E-03	-1.2038E-03	-5.8825E-05	-5.8421E-05	-2.2288E-05
	6	1.0918E-02	-2.3345E-03	-2.2261E-03	-5.3750E-05	-5.3719E-05	-8.4202E-05
	7	3.3342E-01	2.0308E-01	2.0320E-01	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CRMR	ROTORHPB	ROTORHPR	TB	PMB	HB
59	2	1.1064E-05	8.1976E+01	8.3199E+01	1.4817E+03	-5.7438E+01	1.4185E+01
	3	-8.9400E-06	8.8734E+01	9.0083E+01	1.4278E+03	-8.3152E+01	1.8845E+01
	4	-3.3974E-05	1.0716E+02	1.0869E+02	1.4551E+03	-1.2857E+02	1.5255E+01
	5	-2.3245E-05	1.3161E+02	1.3307E+02	1.4426E+03	-1.2614E+02	3.0362E+01
	6	-8.5761E-05	1.8046E+02	1.8205E+02	1.4502E+03	-1.1402E+02	4.8465E+01
	7	0.0000E+00	0.0000E+00	0.0000F+00	-2.0097E+01	-6.0500E+00	1.5242E+00
RUN	TP	SFB	RMB	OB	VSOULD	PTOTAL	PSTATIC
59	2	-1.3818E+01	2.5959E+01	5.4226E+02	1.0986E+03	2.0918E+03	2.0673E+03
	3	-2.2363E+01	-1.8015E+01	5.8696E+02	1.0990E+03	2.0916E+03	2.0537E+03
	4	-3.8061E+01	-7.1895E+01	7.0705E+02	1.1000E+03	2.0904E+03	2.0377E+03
	5	-2.6313E+01	-4.7794E+01	8.6849E+02	1.1026E+03	2.0902E+03	2.0193E+03
	6	-6.1967E+01	-1.7862E+02	1.1872E+03	1.1056E+03	2.0906E+03	1.9987E+03
	7	9.9259E-01	-1.8070E+00	5.2693E-01	1.1064E+03	2.0933E+03	2.0932E+03

TABLE 10.- CONTINUED

## a) Concluded

RUN	TP	X/LR	L/DEB	L/DER	ALPHAS	ALPHASC
59	2	1.0423E+02	5.1273E+00	4.7411E+00	-1.6305E+00	-1.6305E+00
3	1.6337E+02	6.1992E+00	5.5449E+00	-2.4592E+00	-2.4592E+00	
4	2.3543E+02	6.8025E+00	5.9113E+00	-3.0263E+00	-3.0263E+00	
5	2.9926E+02	6.8584E+00	5.7527E+00	-4.3784E+00	-4.3784E+00	
6	4.1261E+02	6.8736E+00	5.0331E+00	-6.2104E+00	-6.2104E+00	
7	8.1125E+02	-1.2388E+01	-1.2327E+01	-2.7832E-01	-2.7832E-01	
RUN	TP	TSTATIC	PRESSALT	DENSALT	RN,.75	CT/SB
59	2	4.2678E+01	6.4567E+02	-2.8414E+02	1.9445E+06	7.0239E+02
3	4.3074E+01	8.2781E+02	-3.1109E+01	1.9290E+06	6.8190E+02	6.7285E+02
4	4.4922E+01	1.0420E+03	2.9894E+02	1.9123E+06	6.9815E+02	6.9461E+02
5	4.6324E+01	1.2913E+03	7.6313E+02	1.8796E+06	7.0168E+02	6.9933E+02
6	4.9150E+01	1.5733E+03	1.3007E+03	1.8464E+06	7.1305E+02	7.1617E+02
7	4.9843E+01	3.0155E+02	-2.2636E+02	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CH/SB	CH/SR	CY/SB	CY/SR	CP/SB
59	2	6.7244E+04	1.2424E+03	-6.5503E-04	-6.8504E-04	3.0540E-03
3	8.9999E+04	1.7893E+03	-1.0680E-03	-1.0118E-03	3.3304E-03	3.3810E-03
4	7.3192E+04	2.0344E+03	-1.8262E-03	-1.7468E-03	4.0304E-03	4.0848E-03
5	1.4768E+03	3.2543E+03	-1.2798E-03	-1.2026E-03	5.0181E-03	5.0738E-03
6	2.3830E+03	4.8166E+03	-3.0468E-03	-2.9054E-03	6.9383E-03	6.9992E-03
7	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CPP/SB	CT/SB	CT/SR	CX/SB	CX/SR
59	2	1.8854E-03	7.0229E-02	6.8887E-02	1.3264E-03	7.1798E-04
3	2.0787E-03	6.8165E-02	6.7300E-02	2.0268E-03	1.0995E-03	1.1012E-02
4	2.4854E-03	6.9757E-02	6.9471E-02	2.9549E-03	1.6356E-03	1.0255E-02
5	3.0792E-03	7.0076E-02	6.9977E-02	3.8844E-03	2.0942E-03	1.0217E-02
6	4.2624E-03	7.1145E-02	7.1718E-02	5.3448E-03	2.9592E-03	1.1714E-02
7	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00	0.0000E+00
RUN	TP	CDE/SR	L/QD2SB	L/QD2SR	X/QD2SB	X/QD2SR
59	2	1.4530E-02	2.6693E+00	2.6183E+00	5.6413E-02	2.7289E-02
3	1.2137E-02	1.6410E+00	1.6202E+00	4.8793E-02	2.6470E-02	3.1390E-01
4	1.1752E-02	1.1769E+00	1.1721E+00	4.9854E-02	2.7594E-02	2.2287E-01
5	1.2164E-02	8.5929E-01	8.6798E-01	4.8181E-02	2.5975E-02	1.7492E-01
6	1.4249E-02	6.7547E-01	6.8092E-01	5.0746E-02	2.8096E-02	1.6196E-01
7	0.0000E+00	-5.0933E+01	-5.0929E+01	-4.1116E+00	-4.1316E+00	0.0000E+00
RUN	TP	P/QVD2SR	DE/QD2SB	DE/QD2SR	Y/QD2SB	Y/QD2SR
59	2	5.7954E-01	5.2061E-01	5.5225E-01	-2.4897E-02	-2.2997E-02
3	3.1867E-01	2.6510E-01	2.9220E-01	-2.5712E-02	-2.4360E-02	1.4273E+03
4	2.2587E-01	1.7301E-01	1.9828E-01	-3.0810E-02	-2.9471E-02	1.4539E+03
5	1.7668E-01	1.2673E-01	1.5888E-01	-1.5874E-02	-1.4917E-02	1.4427E+03
6	1.6338E-01	1.1122E-01	1.3529E-01	-2.8928E-02	-2.7585E-02	1.4470E+03
7	0.0000E+00	4.1111E+00	4.1316E+00	2.5165E+00	2.5180E+00	-2.0090E+01
RUN	TP	LR	X8	XR	DEB	DER.
59	2	1.4531E+03	2.7979E+01	1.5146E+01	2.8894E+02	3.0650E+02
3	1.4092E+03	4.2438E+01	2.3022E+01	2.3058E+02	2.5414E+02	1.4089E+03
4	1.4479E+03	6.1587E+01	3.4088E+01	2.1373E+02	2.4494E+02	1.4477E+03
5	1.4387E+03	7.9863E+01	4.3055E+01	2.1007E+02	2.5009E+02	1.4378E+03
6	1.4586E+03	1.0879E+02	6.0184E+01	2.3824E+02	2.8900E+02	1.4566E+03
7	-2.0088E+01	-1.6218E+00	-1.6296E+00	1.6218E+00	1.6296E+00	-2.0096E+01
RUN	TP	PMR	HR	SFR	RMR	QR
59	2	-5.7512E+01	2.6207E+01	-1.2763E+01	2.4343E+01	5.5034E+02
3	-8.2612E+01	3.7465E+01	-2.1187E+01	-1.9524E+01	5.5988E+02	-2.5358E+00
4	-1.2845E+02	4.2401E+01	-3.6407E+01	-7.3846E+01	7.1659E+02	-3.6869E+00
5	-1.2528E+02	6.6908E+01	-2.4725E+01	-4.9845E+01	8.7803E+02	-3.8309E+00
6	-1.1395E+02	9.7962E+01	-5.9091E+01	-1.8192E+02	1.1982E+03	-5.5798E+00
7	-6.0496E+00	1.5320E+00	9.9318E-01	-1.8077E+00	5.2887E-01	-1.2979E+00
RUN	TP	B1-CORR	THETA.75	A <sub>IC</sub>	B <sub>IS</sub>	TORQUE
59	2	2.3064E+00	6.8581E+00	-1.4042E+00	2.7640E+00	5.4510E+02
3	3.0799E+00	7.2382E+00	-1.6522E+00	3.6313E+00	5.9042E+02	2.9733E+02
4	4.2586E+00	8.4994E+00	-2.4591E+00	5.8677E+00	7.1065E+02	4.2360E+02
5	5.5755E+00	9.8972E+00	-2.2573E+00	6.3770E+00	8.7159E+02	5.5432E+02
6	6.2934E+00	1.2575E+01	-3.7609E+00	7.5231E+00	1.1914E+03	7.5126E+02
7	-9.1302E-01	2.0612E+00	-1.4900E+00	-5.4599E-01	5.7480E-01	8.0726E+02

TABLE 10.- CONTINUED

b) Block B data

RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 TORQUE	2	5.4389E+02	5.7695E+02	129.6	5.1103E+02	3.2957E+01
	3	5.8748E+02	6.2083E+02	308.3	5.5950E+02	3.5161E+01
	4	7.0973E+02	8.1704E+02	315.4	6.3271E+02	9.2166E+01
	5	8.6820E+02	9.7071E+02	144.3	7.8370E+02	9.3507E+01
	6	1.1916E+03	1.3173E+03	151.8	1.0897E+03	1.1382E+02
	7	5.7484E+01	1.1497E+00	74.0	-1.3413E+00	1.2455E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 002HANG	2	2.9289E+02	1.8132E+01	293.1	-3.5175E+02	6.8248E+02
	3	3.6936E+02	1.8905E+01	261.8	-4.0326E+02	7.4686E+02
	4	4.7237E+02	1.2707E+01	240.4	-5.3203E+02	9.0139E+02
	5	6.2699E+02	1.6313E+01	234.0	-6.8655E+02	1.1589E+01
	6	8.5868E+02	2.3267E+01	242.0	-1.0729E+01	1.6998E+01
	7	-2.7984E+01	-2.3606E+01	331.0	-3.2104E+01	4.2494E+02
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 002CB18	2	1.1825E+03	1.5511E+03	198.3	8.9266E+02	3.2922E+02
	3	1.0816E+03	1.4271E+03	190.3	8.3000E+02	2.9856E+02
	4	9.9720E+02	1.4784E+03	197.5	5.4786E+02	4.6526E+02
	5	8.1123E+02	1.1601E+03	300.2	2.7577E+02	4.4214E+02
	6	5.6662E+02	1.0455E+03	300.3	-5.1603E+01	5.4863E+02
	7	-1.1058E+02	-9.9519E+01	338.6	-1.2230E+02	1.1393E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 002CB90	2	5.2259E+01	6.7961E+01	161.7	3.6904E+01	1.5528E+01
	3	5.2332E+01	7.0984E+01	147.4	3.2514E+01	1.9235E+01
	4	5.4500E+01	7.2059E+01	83.1	4.0747E+01	1.5656E+01
	5	5.2860E+01	6.8817E+01	76.3	3.5246E+01	1.6785E+01
	6	5.4445E+01	8.1895E+01	69.5	3.1640E+01	2.5128E+01
	7	-8.9254E+01	-6.1931E+01	328.4	-1.1293E+00	2.5501E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 002CB53	2	4.3422E+02	1.8992E+03	183.1	2.4292E+01	5.3746E+02
	3	4.3270E+02	1.4636E+03	183.1	-2.6418E+02	8.6389E+02
	4	4.3270E+02	1.5547E+03	190.2	-2.9454E+02	9.2462E+02
	5	4.4181E+02	1.3194E+03	112.1	-5.5720E+02	9.3828E+02
	6	4.7977E+02	1.5744E+03	105.4	-5.6783E+02	1.0711E+03
	7	-3.6438E+01	-1.9737E+01	353.9	-6.9840E+01	2.5451E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 002FB18	2	4.4588E+02	5.7459E+02	218.8	2.5543E+02	1.5958E+02
	3	4.3082E+02	5.9438E+02	218.8	2.3290E+02	1.8074E+02
	4	4.3306E+02	5.8517E+02	275.9	1.7278E+02	2.0620E+02
	5	4.4638E+02	7.1438E+02	262.5	3.6974E+01	3.3870E+02
	6	5.0787E+02	8.6886E+02	263.3	-1.6058E+01	4.4246E+02
	7	8.9624E+00	1.4564E+01	80.7	3.7343E+00	5.4148E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 002FB38	2	1.5113E+02	3.0763E+02	261.6	-3.7637E+01	1.7263E+02
	3	1.4633E+02	3.6140E+02	268.7	-1.1330E+02	2.3735E+02
	4	1.4460E+02	4.0921E+02	261.6	-1.9260E+02	3.0091E+02
	5	1.3826E+02	5.0273E+02	262.4	-2.9207E+02	3.9740E+02
	6	1.3173E+02	6.2063E+02	256.1	-3.4987E+02	4.8525E+02
	7	-3.8406E+01	3.4565E+01	318.2	-4.9927E+00	4.2246E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 002FB90	2	0.0000E+00	0.0000E+00	292.8	0.0000E+00	0.0000E+00
	3	0.0000E+00	0.0000E+00	292.8	0.0000E+00	0.0000E+00
	4	0.0000E+00	0.0000E+00	182.9	0.0000E+00	0.0000E+00
	5	0.0000E+00	0.0000E+00	335.8	0.0000E+00	0.0000E+00
	6	0.0000E+00	0.0000E+00	300.0	0.0000E+00	0.0000E+00
	7	0.0000E+00	0.0000E+00	262.0	0.0000E+00	0.0000E+00

TABLE 10.- CONTINUED

b) Continued

RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 LEADLAG	2	1.4516E+02	1.4575E+02	327.2	1.4462E+02	5.6329E-01
	3	1.4525E+02	1.4584E+02	60.1	1.4476E+02	5.4076E-01
	4	1.4498E+02	1.4566E+02	38.6	1.4449E+02	5.8582E-01
	5	1.4444E+02	1.4485E+02	349.2	1.4408E+02	3.8303E-01
	6	1.4228E+02	1.4313E+02	263.6	1.4151E+02	8.1113E-01
	7	1.2804E+02	1.2880E+02	64.1	1.2714E+02	8.3366E-01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 FLAPANG	2	4.4475E+00	5.1558E+00	182.8	3.5872E+00	7.8430E-01
	3	4.3461E+00	5.1634E+00	175.7	3.6179E+00	7.7318E-01
	4	4.4550E+00	5.3904E+00	101.4	3.5723E+00	9.0906E-01
	5	4.3912E+00	5.5496E+00	169.2	3.1968E+00	1.1764E+00
	6	1.5299E+00	4.6053E+00	155.4	-1.1588E+00	2.8821E+00
	7	-1.1163E+01	-1.1113E+01	277.3	-1.1201E+01	4.4283E-02
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 PTCHLINK	2	-6.5724E+01	-2.8286E+01	61.3	-9.7477E+01	3.4595E+01
	3	-5.2136E+01	4.0904E+01	285.5	-8.6384E+01	6.3644E+01
	4	-3.5635E+01	1.6001E+02	125.6	-9.0544E+01	1.2528E+02
	5	8.1808E+00	3.4581E+02	126.1	-1.0760E+02	2.2671E+02
	6	-3.4526E+01	1.1564E+02	184.1	-1.2257E+02	1.1911E+02
	7	-2.3572E+00	-4.1597E-01	27.1	-3.8824E+00	1.7332E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 004CB18	2	-2.3235E+03	-1.9103E+03	179.8	-2.6954E+03	3.9260E+02
	3	-2.2907E+03	-1.8767E+03	187.0	-2.6954E+03	4.0940E+02
	4	-2.1941E+03	-1.4966E+03	194.1	-2.8789E+03	6.9115E+02
	5	-2.2308E+03	-1.6488E+03	208.9	-2.9963E+03	6.7327E+02
	6	-2.2567E+03	-1.5646E+03	216.6	-3.2138E+03	8.2459E+02
	7	-3.7077E+01	-2.5877E+01	89.0	-4.9436E+01	1.1780E+01
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 004CB53	2	-6.1667E+02	-2.4742E+02	186.9	-1.1190E+03	4.3581E+02
	3	-6.1616E+02	-9.6371E+01	179.8	-1.3400E+03	6.2180E+02
	4	-5.9019E+02	3.1303E+02	194.1	-1.3364E+03	8.2471E+02
	5	-5.8831E+02	2.8957E+02	294.8	-1.4362E+03	8.5837E+02
	6	-9.9990E+03	-9.9990E+03	-99.0	-9.9990E+03	-9.9990E+03
	7	1.3670E+00	4.4426E+00	104.4	-2.0504E+00	3.2465E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 004FB13	2	2.0257E+02	3.6237E+02	344.1	5.9594E+01	1.5139E+02
	3	2.0282E+02	5.1420E+02	344.1	-2.5938E+01	2.7007E+02
	4	2.0611E+02	5.5861E+02	351.3	-3.8337E+01	2.9848E+02
	5	1.8739E+02	4.1716E+02	79.9	-1.4513E+02	2.8114E+02
	6	1.7840E+02	5.0965E+02	72.8	-3.4491E+02	4.2728E+02
	7	-8.2242E+00	-5.0610E-01	152.9	-1.7461E+01	8.4772E+04
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 004FB18	2	-3.0506E+01	1.6760E+02	336.9	-1.8438E+02	1.7599E+02
	3	-3.0628E+01	2.1623E+02	336.9	-2.7259E+02	2.4441E+02
	4	-3.8191E+01	2.6561E+02	351.2	-3.0751E+02	2.8656E+02
	5	-5.3415E+01	2.1721E+02	280.4	-4.7290E+02	3.4506E+02
	6	-5.9419E+01	2.6487E+02	273.9	-6.6426E+02	4.6457E+02
	7	-2.0827E+00	4.7780E+00	150.3	-9.8010E+00	7.2895E+00
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 004FB53	2	-4.1240E+00	1.2925E+02	308.3	-1.2389E+02	1.2657E+02
	3	3.3817E+00	1.4772E+02	315.4	-1.6240E+02	1.5506E+02
	4	2.7219E+00	1.8699E+02	322.6	-2.0109E+02	1.9399E+02
	5	5.0313E+00	1.7709E+02	294.7	-2.1453E+02	1.9581E+02
	6	1.8476E+01	2.6617E+02	295.4	-2.4035E+02	2.5326E+02
	7	-8.2481E-01	2.4744E+00	12.4	-4.3715E+00	3.4230E+00

TABLE 10.- CONTINUED

## b) Concluded

RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 004FB9U	2	5.6097E+01	1.1295E+02	278.9	7.8346E+00	5.2557E+01
	3	-9.9990E+03	-9.9990E+03	-99.0	-9.9990E+03	-9.9990E+03
	4	-9.9990E+03	-9.9990E+03	-99.0	-9.9990E+03	-9.9990E+03
	5	1.5416E+02	1.8161E+02	265.3	1.2007E+02	3.0774E+01
	6	-9.9990E+03	-9.9990E+03	-99.0	-9.9990E+03	-9.9990E+03
	7	-9.9990E+03	-9.9990E+03	-99.0	-9.9990E+03	-9.9990E+03
RUN FIRST 1/R	TP	STEADY	MAXIMUM	AZIM	MINIMUM	ALTERNATING
59 004TB13	2	-1.0375E+02	-5.1163E+01	329.6	-1.5189E+02	5.0361E+01
	3	-9.8583E+01	-3.2980E+01	336.8	-1.5991E+02	6.3464E+01
	4	-1.0108E+02	-1.1587E+01	279.6	-1.6953E+02	7.8973E+01
	5	-1.0375E+02	2.7810E+01	280.3	-2.0162E+02	1.1472E+02
	6	-1.1035E+02	8.4856E+01	288.1	-2.4352E+02	1.6419E+02
	7	-2.4958E+00	-3.5654E-01	91.6	-4.9915E+00	2.3175E+00

TABLE 10.- CONTINUED

## c) Block C data

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 TORQUE	2	5.438E+02	1	1.9966E-01	3.8600E+00	3.8647E+00	87.2
			2	5.0344E-01	-1.5890E+00	1.6669E+00	287.6
			3	2.4301E-02	1.3682E+00	1.3684E+00	89.0
			4	-2.8009E+01	5.0034E+00	2.8452E+01	169.9
			5	-4.6326E-01	9.2798E-01	1.9372E+00	116.5
			6	-1.0071E+00	-4.6673E-01	1.1100E+00	335.1
			7	-3.0618E-01	4.2428E-01	5.2322E-01	125.6
			8	3.1498E-01	-1.7951E+00	1.8225E+00	280.0
			9	5.6787E-01	5.2274E-01	7.7184E-01	42.6
			10	4.4452E-02	1.8141E-01	1.8677E-01	76.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 TORQUE	3	5.875E+02	1	9.0880E-02	3.5440E+00	3.5451E+00	88.5
			2	5.7996E-01	-3.0900E+00	3.1439E+00	280.6
			3	-1.6811E+00	1.3658E+00	2.1660E+00	140.9
			4	-2.6681E+01	-5.1296E+00	2.7169E+01	190.9
			5	-2.4457E-01	1.3844E+00	1.4058E+00	100.0
			6	5.5825E-01	1.7253E+00	1.8134E+00	72.1
			7	8.5146E-02	3.5513E-01	3.6520E-01	76.5
			8	-4.1347E-01	-8.7888E+00	8.7985E+00	267.3
			9	-8.1515E-03	-1.0354E+00	1.0354E+00	269.5
			10	-2.3431E-01	8.9445E-02	2.5080E-01	159.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002HANG	2	2.921E-02	1	1.1598E-02	-2.9638E-02	3.1827E-02	291.4
			2	-1.7338E-02	4.2893E-03	1.7861E-02	166.1
			3	1.7841E-03	-3.4448E-03	3.8794E-03	297.4
			4	4.0390E-03	2.9830E-03	5.0212E-03	36.4
			5	-6.7111E-03	-5.2336E-04	6.7315E-03	184.5
			6	-1.1279E-03	-3.1055E-03	3.3037E-03	250.1
			7	-6.4639E-03	-1.4753E-03	6.6301E-03	192.9
			8	4.5996E-03	4.6994E-03	6.5757E-03	45.6
			9	1.0643E-03	8.0259E-04	1.3330E-03	37.0
			10	4.5363E-03	3.7335E-04	4.5517E-03	4.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002HANG	3	3.694E-02	1	1.8782E-02	-3.7452E-02	4.1898E-02	296.6
			2	-1.2430E-02	1.1020E-02	1.6612E-02	138.4
			3	1.7968E-03	1.1969E-04	1.8008E-03	3.8
			4	4.2360E-03	-2.4112E-04	4.2437E-03	356.7
			5	-2.5355E-03	-1.7589E-03	3.0859E-03	214.7
			6	1.1230E-02	2.8832E-03	1.1595E-02	14.4
			7	-1.8640E-03	-2.8225E-03	3.3825E-03	236.6
			8	1.6771E-03	-9.4891E-04	1.9269E-03	330.5
			9	-1.6755E-02	2.7295E-03	1.6976E-02	170.7
			10	-3.5732E-03	5.0319E-04	3.6085E-03	172.0
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 TORQUE	4	7.097E+02	1	1.3432E+00	-2.5298E+00	2.8643E+00	298.0
			2	9.8594E-01	-8.1914E+00	8.2505E+00	276.9
			3	3.7910E-01	2.3768E+00	2.4068E+00	80.9
			4	-8.3239E+01	-1.3104E+01	8.4264E+01	188.9
			5	-2.9302E+00	6.4004E-01	2.9993E+00	167.7
			6	-7.0950E-01	1.1215E+00	1.3271E+00	122.3
			7	-1.8488E-01	-3.5087E-01	3.9657E-01	242.2
			8	1.0428E+01	5.3730E-01	1.0442E+01	2.9
			9	1.7281E+00	1.3922E-02	1.7282E+00	0.5
			10	3.9974E-02	-2.6969E-01	2.7264E-01	278.4

TABLE 10.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 TORQUE	5	8.682E+02	1	-1.4430E-01	-1.6883E+00	1.6945E+00	265.1
			2	1.9657E+00	-9.9592E+00	1.0151E+01	281.2
			3	-2.5603E+00	3.3917E+00	4.2495E+00	127.0
			4	-7.0417E+01	-4.7807E+01	8.5112E+01	214.2
			5	-2.7379E-01	-1.4812E+00	1.5063E+00	259.5
			6	-2.1103E+00	-5.2340E+01	2.1743E+00	193.9
			7	-4.7541E-01	-4.6088E+01	6.6214E+01	224.1
			8	-7.7010E-01	6.4247E+00	6.4707E+00	96.8
			9	-6.8089E-01	4.4492E+01	8.1336E+01	146.8
			10	3.0725E-01	7.5516E-01	8.1527E+01	67.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 TORQUE	6	1.192E+03	1	1.4663E+00	-5.3954E-01	1.5624E+00	339.8
			2	2.1736E+01	-1.1837E+01	2.4750E+01	331.4
			3	-1.9162E+00	4.0871E+00	4.5140E+00	115.1
			4	-5.9621E+01	-6.8794E+01	9.1034E+01	229.1
			5	1.5193E+00	-4.4832E-01	1.5838E+00	343.6
			6	-2.0648E+00	-1.7663E+00	2.7172E+00	220.5
			7	-1.2774E+00	-4.4357E+01	1.3522E+00	199.1
			8	-1.2771E-02	1.1056E+01	1.1056E+01	99.1
			9	-3.1263E-01	1.6689E+01	3.5439E+01	151.9
			10	-5.5967E-01	1.0227E+00	1.1658E+00	118.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002HANG	4	4.724E-02	1	2.0599E-02	-4.9032E-02	5.3183E-02	292.8
			2	-1.1183E-02	1.9044E-02	2.2084E-02	120.4
			3	-1.9309E-04	3.8931E-04	4.3456E-04	116.4
			4	2.2984E-03	-3.4489E-03	4.1446E-03	303.7
			5	-6.2492E-03	3.6377E-03	7.2309E-03	149.8
			6	7.2714E-03	-1.7899E-03	7.4885E-03	346.2
			7	-2.0749E-03	-3.5298E-03	4.6944E-03	239.6
			8	4.2772E-03	-9.2987E-03	1.0235E-02	294.7
			9	1.3108E-02	-3.8647E-04	1.3114E-02	358.3
			10	3.7178E-03	3.1626E-03	4.8810E-03	40.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002HANG	5	6.269E-02	1	3.3397E-02	-6.6895E-02	7.4769E-02	296.5
			2	-2.5603E-03	3.3490E-02	3.3588E-02	94.4
			3	3.4403E-04	6.3849E-03	6.3941E-03	86.9
			4	1.9047E-03	-9.5924E-03	9.7797E-03	281.2
			5	-7.1762E-03	7.3524E-03	1.0274E-02	134.3
			6	7.5237E-03	-1.4975E-02	1.6759E-02	296.7
			7	-5.1141E-03	-4.2431E-03	6.6451E-03	219.7
			8	2.6464E-03	-1.0621E-02	1.0946E-02	284.0
			9	4.6030E-03	-5.5180E-03	7.1858E-03	309.8
			10	3.4144E-03	-2.2934E-03	4.1131E-03	326.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002HANG	6	8.587E-02	1	4.2391E-02	-9.2736E-02	1.8197E-01	294.6
			2	9.5885E-03	5.8054E-02	5.8841E-02	80.6
			3	-8.8444E-03	1.2206E-02	1.5074E-02	125.9
			4	2.8906E-03	-1.4013E-02	1.4308E-02	281.7
			5	-5.8914E-03	1.8650E-02	1.9559E-02	107.5
			6	6.6891E-03	-2.2288E-02	2.3270E-02	253.3
			7	-3.6273E-03	2.5021E-03	4.4066E-03	145.4
			8	-4.1103E-03	-1.4616E-02	1.5183E-02	254.3
			9	3.3769E-02	1.7769E-02	3.8158E-02	27.8
			10	1.5375E-03	-3.3298E-03	3.6676E-03	294.8

TABLE 10.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002CB18	2	1.183E+03	1	-1.8364E+02	2.0123E+01	1.8474E+02	173.7
			2	2.6509E+01	2.4847E+00	2.6626E+01	5.4
			3	7.7133E+00	1.9131E+00	7.9470E+00	13.9
			4	7.0831E+01	8.1317E+01	1.0784E+02	48.9
			5	-2.7568E+01	1.6909E+01	3.2340E+01	148.5
			6	2.3843E+00	-1.5724E+00	2.8561E+00	326.6
			7	-3.1791E+00	-1.5965E+00	3.5494E+00	206.7
			8	-1.4275E+00	-2.1612E+00	2.5901E+00	236.6
			9	-7.6105E+00	-5.8454E+00	9.5962E+00	217.5
			10	1.3164E+00	-4.1626E-01	1.3807E+00	342.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002CB18	3	1.082E+03	1	-1.8105E+02	3.7107E+01	1.8481E+02	168.4
			2	4.0636E+01	-1.3944E+01	4.2949E+01	341.1
			3	-1.0396E+01	-1.2956E+01	1.5103E+01	226.5
			4	3.8732E+01	1.0372E+02	1.1071E+02	69.5
			5	-6.4671E+01	1.4219E+01	6.6216E+01	167.6
			6	-7.6843E+00	-5.2477E+01	9.3052E+00	214.3
			7	-9.0569E+00	-4.0417E+00	9.9265E+00	204.0
			8	-2.4461E+01	-8.5930E+00	2.5926E+01	199.4
			9	-1.7601E+01	4.5020E+00	1.8167E+01	165.7
			10	1.3470E+00	-5.2442E-01	1.4455E+00	338.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002CB18	4	9.972E+02	1	-1.4980E+02	6.2485E+01	1.6231E+02	157.4
			2	4.5000E+01	-2.8763E+01	5.3407E+01	327.4
			3	-2.4059E+01	-1.2956E+01	2.7325E+01	208.3
			4	1.2265E+02	2.9442E+02	3.1818E+02	67.7
			5	2.1437E+01	-9.4123E+00	2.3412E+01	336.3
			6	5.3866E+01	-1.5227E+00	1.6152E+00	289.5
			7	-7.9844E+00	-6.5557E+00	1.0331E+01	219.4
			8	1.6771E+01	-3.2589E+01	3.6651E+01	297.2
			9	1.8230E+00	-4.8010E+00	5.1354E+00	290.8
			10	1.4500E+00	3.9149E+00	4.1748E+00	69.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002CB18	5	8.112E+02	1	-9.6153E+01	1.0279E+02	1.4075E+02	133.1
			2	3.0989E+01	-7.5127E+01	8.1268E+01	292.4
			3	-8.6994E+01	-1.0627E+01	8.7640E+01	187.0
			4	1.5826E+01	3.1724E+02	3.1764E+02	87.1
			5	1.4376E+01	6.4219E+01	6.5808E+01	77.4
			6	1.8791E+00	6.8697E+00	7.1221E+00	74.7
			7	-4.6568E+00	-2.0382E+00	5.0833E+00	203.6
			8	1.7827E+01	1.6206E+00	1.7901E+01	5.2
			9	-1.9113E+00	5.3408E+00	5.6725E+00	109.7
			10	3.7631E+00	-7.8040E-01	3.8432E+00	348.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002CB18	6	5.666E+02	1	-1.9524E-01	1.1232E+02	1.1232E+02	90.1
			2	2.3686E+01	-1.2539E+02	1.2761E+02	280.7
			3	-1.0608E+02	2.1502E+00	1.0610E+02	178.8
			4	-1.8382E+01	3.4097E+02	3.4146E+02	93.1
			5	-4.1057E+00	8.9489E+01	8.9583E+01	92.6
			6	5.9475E+00	2.1239E+00	6.3155E+00	19.7
			7	2.4985E+00	6.8794E-02	2.4995E+00	1.6
			8	1.5419E+01	2.7437E+00	1.5662E+01	10.1
			9	4.4260E+02	4.8135E+00	4.8137E+00	89.5
			10	1.2521E+01	-5.4508E+00	1.3656E+01	336.5

TABLE 10.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002CB90	2	5.226E+01	1	1.2208E+00	5.0658E+00	5.2108E+00	76.5
			2	-1.6614E+00	-1.7531E+00	2.4153E+00	313.5
			3	-1.1622E+00	6.1580E-01	1.3153E+00	152.1
			4	-2.2094E+00	-1.9086E+00	2.0196E+00	228.8
			5	3.0977E+00	-7.0410E-01	3.1767E+00	347.2
			6	-9.7539E-01	1.5672E-01	9.8790E-01	170.9
			7	1.0384E+00	2.2348E-01	1.9622E+00	12.1
			8	-1.2353E+00	-9.6046E-01	1.5647E+00	217.9
			9	-6.4733E-02	-6.9243E-01	6.9545E-01	264.7
			10	-1.0288E+00	9.8681E-03	1.0288E+00	179.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002CB90	3	5.233E+01	1	1.8547E+00	5.6049E+00	5.9038E+00	71.7
			2	6.7798E-01	-2.4285E+00	2.5214E+00	285.6
			3	-7.6780E-01	-3.2399E-01	8.3336E-01	292.9
			4	-1.2966E+00	-2.1064E+00	2.4735E+00	238.4
			5	4.5569E+00	-2.0065E-01	4.5742E+00	357.5
			6	-3.2157E+00	-2.5215E-01	3.2256E+00	184.5
			7	4.3547E-01	3.9705E-01	5.8930E-01	42.4
			8	-1.7893E+00	-4.2983E-01	1.8402E+00	193.5
			9	2.9342E+00	-5.8842E-01	2.9926E+00	348.7
			10	1.1667E+00	-5.9625E-01	1.3102E+00	332.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002CB90	4	5.450E+01	1	3.6899E+00	5.2603E+00	6.4254E+00	55.0
			2	1.1238E-02	-3.1348E+00	3.1348E+00	270.2
			3	-1.5130E+00	-7.5172E-01	1.6895E+00	206.4
			4	-2.1914E+00	-5.5794E+00	5.9943E+00	248.6
			5	8.1316E-01	4.7330E-01	9.4088E-01	30.2
			6	-2.2775E+00	2.4537E-01	2.2907E+00	173.9
			7	2.7257E-01	-1.0164E-01	2.9990E-01	20.5
			8	8.8999E-01	-3.9713E-01	8.8330E-01	333.3
			9	-2.1880E+00	2.9543E-01	2.2079E+00	172.3
			10	-1.0401E+00	-7.6052E-02	1.0429E+00	184.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002CB90	5	5.286E+01	1	5.4562E+00	4.9846E+00	7.3983E+00	42.4
			2	-1.2931E+00	-3.6337E+00	3.8277E+00	251.7
			3	-1.9514E+00	-2.5550E+00	3.2150E+00	232.6
			4	-4.5310E-02	-5.5970E+00	5.5971E+00	269.5
			5	2.0780E+00	-4.4235E+00	4.8873E+00	295.2
			6	-1.3124E+00	2.5775E+00	2.8924E+00	117.0
			7	5.3455E-01	-3.0488E-01	6.1538E-01	330.3
			8	1.1692E+00	2.2526E+00	2.5389E+00	62.6
			9	-3.7879E-02	1.2191E+00	1.2197E+00	91.8
			10	-9.2415E-01	4.7363E-01	1.0385E+00	152.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002CB90	6	5.444E+01	1	7.8925E+00	5.3699E+00	9.5461E+00	34.2
			2	-2.4682E+00	-4.0632E+00	4.7541E+00	238.7
			3	-1.9999E+00	-3.3610E+00	3.8658E+00	240.4
			4	-1.4145E-01	-6.2300E+00	6.2317E+00	268.7
			5	2.5956E+00	-7.7023E+00	8.1278E+00	288.6
			6	7.3524E-01	4.8349E+00	4.8905E+00	81.4
			7	-4.5556E-01	-1.3590E+00	1.4334E+00	251.5
			8	2.9404E+00	3.0914E+00	4.2664E+00	46.4
			9	-4.1955E-01	2.7715E+00	2.8031E+00	98.6
			10	-7.0599E-02	1.2554E+00	1.2574E+00	93.2

TABLE 10.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002CB53	2	4.342E+02	1	-2.0239E+02	1.2863E+01	2.0280E+02	176.4
			2	8.1977E+01	-2.1004E+00	8.2003E+01	358.5
			3	2.9378E+01	6.6329E+00	3.0118E+01	12.7
			4	1.5355E+02	1.3990E+02	2.0772E+02	42.3
			5	-1.4778E+02	6.4817E+01	1.6137E+02	156.3
			6	5.8991E+01	6.3493E+00	5.9332E+01	6.1
			7	-1.7355E+01	2.1019E-02	1.7355E+01	179.9
			8	1.3580E+01	1.7945E+01	2.2504E+01	52.9
			9	-8.3176E+00	1.1756E+01	1.4401E+01	125.3
			10	5.3603E+00	1.6766E+00	5.6164E+00	17.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002CB53	3	4.327E+02	1	-2.3983E+02	3.1112E+01	2.4184E+02	172.6
			2	9.7685E+01	-3.3020E+01	1.0311E+02	341.3
			3	3.9577E+01	-1.1623E+01	1.2279E+01	288.8
			4	9.0705E+01	2.0444E+02	2.2366E+02	66.1
			5	-3.2332E+02	5.6890E+01	3.2829E+02	170.0
			6	4.8918E+01	-2.9218E+01	5.6979E+01	329.2
			7	-4.7495E+01	1.1174E+01	4.8791E+01	166.8
			8	7.5997E+01	4.3301E+01	8.7467E+01	29.7
			9	-1.4920E+01	5.1108E+00	1.5771E+01	161.1
			10	-6.1530E+00	6.8214E+00	9.1864E+00	132.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002CB53	4	4.327E+02	1	-2.9610E+02	8.8965E+01	3.0918E+02	163.3
			2	1.0878E+02	-4.4963E+01	1.1771E+02	337.5
			3	3.4809E+01	-2.5749E+01	2.5974E+01	277.7
			4	2.6055E+02	5.5895E+02	6.1588E+02	65.0
			5	3.7684E+01	-8.8823E+01	9.6486E+01	293.0
			6	7.9120E+01	-5.5397E+00	7.9314E+01	356.0
			7	-3.4430E+01	2.1376E-01	3.4431E+01	179.6
			8	-6.4007E+01	8.2506E+01	1.0442E+02	127.8
			9	2.3512E+01	6.1390E+00	2.4300E+01	14.6
			10	1.2615E+01	-8.2394E+00	1.5067E+01	326.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002CB53	5	4.418E+02	1	-3.3685E+02	1.4326E+02	3.3865E+02	155.0
			2	9.8068E+01	-1.2354E+02	1.5773E+02	308.4
			3	-8.1952E+01	-2.2110E+01	8.4883E+01	195.1
			4	8.5494E+01	6.0724E+02	6.1323E+02	82.0
			5	8.5122E+00	2.5924E+02	2.5938E+02	88.1
			6	4.6409E+01	2.9793E+00	4.6504E+01	3.7
			7	2.0834E+00	5.2031E+01	5.2072E+01	87.7
			8	-5.7384E+01	-4.4641E+01	7.2703E+01	217.9
			9	-1.5171E+01	-1.8114E+01	2.3628E+01	230.1
			10	9.9817E+00	5.0074E+00	1.1167E+01	26.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002CB53	6	4.798E+02	1	-2.6173E+02	2.0861E+02	3.3469E+02	141.4
			2	1.4538E+02	-2.2553E+02	2.6833E+02	302.8
			3	-1.4652E+02	-3.0432E+01	1.4965E+02	191.7
			4	6.1528E+01	6.3936E+02	6.4232E+02	84.5
			5	-2.5134E+01	4.0223E+02	4.0301E+02	93.6
			6	2.9237E+01	-7.2228E+01	7.7921E+01	292.0
			7	5.3604E+01	8.8888E+01	1.0380E+02	58.9
			8	-9.6285E+01	-5.9179E+01	1.1302E+02	211.6
			9	-1.2455E+01	-2.4559E+01	2.7537E+01	243.1
			10	-2.9126E-01	3.0985E+00	3.1122E+00	95.4

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TABLE 10.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002FB18	2	4.459E+02	1	7.0061E+00	-3.8757E+01	3.9385E+01	280.2
			2	-3.6018E+01	1.4873E+01	3.8968E+01	157.6
			3	4.9311E+01	-3.1774E+01	5.8662E+01	327.2
			4	3.0076E+01	-1.0742E+01	3.1937E+01	340.3
			5	5.3632E+01	1.5760E+00	5.3655E+01	1.7
			6	-3.1283E+01	9.3346E+00	3.2646E+01	163.4
			7	-1.9128E+00	-2.1849E+00	2.9040E+00	228.8
			8	1.1198E+01	6.1060E+00	1.2755E+01	28.6
			9	-1.5648E+01	-3.0799E+00	1.5948E+01	191.1
			10	1.1783E+01	=5.3968E+00	1.2960E+01	335.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002FB18	3	4.308E+02	1	-2.9219E+01	-4.3538E+01	5.2434E+01	303.9
			2	-3.5709E+01	3.5877E+01	5.8619E+01	134.9
			3	5.0374E+01	-5.2556E+00	5.0647E+01	6.9
			4	-1.2315E+01	-3.5620E+00	1.2828E+01	343.9
			5	5.3720E+01	2.1780E+01	5.7938E+01	22.6
			6	-8.1632E+01	7.8916E+00	8.2013E+01	174.5
			7	-2.7912E+01	-4.1787E+00	2.8223E+01	188.5
			8	-7.7302E+00	3.7780E+00	8.6041E+00	154.6
			9	-4.7448E+01	1.3251E+01	4.9264E+01	164.4
			10	-7.7701E+00	1.8622E-01	7.7723E+00	178.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002FB18	4	4.331E+02	1	5.7495E+01	-4.4601E+01	7.2766E+01	322.2
			2	-3.7382E+01	5.5373E+01	6.6810E+01	124.9
			3	7.3941E+01	-2.1405E+00	7.3972E+01	358.3
			4	-2.0184E+01	-8.0456E+00	2.1728E+01	338.3
			5	5.4448E+01	-2.0355E+01	5.8128E+01	339.5
			6	-4.5158E+01	1.7655E+01	4.8487E+01	158.6
			7	-2.1869E+01	-2.3390E+01	3.2021E+01	226.9
			8	5.3107E+00	-2.6690E+01	2.7213E+01	281.3
			9	2.1559E+01	-1.1285E+01	2.4334E+01	332.4
			10	8.4483E+00	1.1022E+00	8.5199E+00	7.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002FB18	5	4.464E+02	1	8.4463E+01	-6.8041E+01	1.0846E+02	321.1
			2	-4.3340E+01	7.9779E+01	9.0791E+01	118.5
			3	1.0685E+02	4.2129E+01	1.1486E+02	21.5
			4	-4.0081E+00	1.6372E+01	1.6873E+01	104.0
			5	5.1076E+01	-6.9615E+01	8.6343E+01	306.3
			6	-2.6728E+01	8.0660E+01	8.4973E+01	168.3
			7	-3.4370E+01	-1.4223E+01	3.7197E+01	202.5
			8	7.5922E+00	-1.7319E+01	1.8910E+01	293.7
			9	-5.4363E+00	-8.3896E+00	9.9969E+00	237.1
			10	1.0298E+01	-1.9883E+00	1.0488E+01	349.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002FB18	6	5.079E+02	1	1.1976E+02	-9.7008E+01	1.5412E+02	321.9
			2	-5.9052E+01	1.1206E+02	1.2667E+02	117.8
			3	1.1836E+02	7.1823E+01	1.3845E+02	31.3
			4	-1.6631E+01	2.4499E+01	2.9611E+01	124.2
			5	1.0618E+01	-1.0613E+02	1.0666E+02	275.7
			6	3.8136E+01	1.0084E+02	1.2781E+02	69.3
			7	-4.7260E+01	1.9975E+00	4.7302E+01	177.6
			8	-7.5907E+00	-2.3123E+01	2.4337E+01	251.8
			9	-4.9947E+00	-2.2219E+01	2.2773E+01	257.3
			10	2.0342E+01	-1.5652E+01	2.5666E+01	322.4

TABLE 10.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002FB38	2	1.511E+02	1	6.9240E+01	-1.0674E+02	1.2723E+02	303.0
			2	-5.1829E+01	1.5652E+01	5.4141E+01	163.2
			3	4.1006E+01	-2.1983E+01	4.6527E+01	331.8
			4	9.5259E+00	-8.8659E+00	1.3013E+01	317.1
			5	1.8547E+01	2.1698E+00	1.8674E+01	6.7
			6	-7.0116E+00	3.9966E+00	8.0707E+00	150.3
			7	-2.7849E-01	2.2869E-01	3.6005E-01	140.6
			8	-4.2179E+00	-4.5095E-01	4.2420E+00	186.1
			9	4.0223E+00	8.7657E-01	4.1167E+00	12.3
			10	-6.5862E+00	1.7737E+00	6.8209E+00	164.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002FB38	3	1.463E+02	1	1.0673E+02	-1.3184E+02	1.6963E+02	309.0
			2	-5.4692E+01	4.7985E+01	7.2758E+01	138.7
			3	4.6153E+01	1.6533E+01	5.0912E+01	18.9
			4	1.0686E+01	-2.9757E+00	2.9776E+00	272.1
			5	1.5294E+01	7.1710E+00	1.6892E+01	25.1
			6	-1.7004E+01	1.8663E-01	1.7005E+01	179.4
			7	-6.2108E-01	9.3257E-01	1.1205E+00	123.7
			8	5.5854E+00	6.4101E-01	5.6221E+00	6.5
			9	1.9112E+01	-3.4677E+00	1.9424E+01	349.7
			10	2.9534E+00	5.9272E-02	2.9540E+00	1.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002FB38	4	1.446E+02	1	1.5069E+02	-1.5526E+02	2.1637E+02	314.1
			2	-4.9240E+01	7.5272E+01	8.9947E+01	123.2
			3	7.9309E+01	1.1794E+01	8.0182E+01	8.5
			4	1.1386E+01	-4.7825E+00	1.2350E+01	337.2
			5	2.4888E+01	-1.7641E+01	3.0506E+01	324.7
			6	-5.0668E+00	-2.7357E-02	5.0669E+00	180.3
			7	7.8036E-01	1.1164E+00	1.3621E+00	55.0
			8	1.1366E+00	5.3803E+00	5.4991E+00	78.1
			9	-4.2338E+00	3.1449E+00	5.2741E+00	143.4
			10	-2.2990E+00	-1.1678E-01	2.3019E+00	182.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002FB38	5	1.383E+02	1	1.7155E+02	-1.8101E+02	2.4939E+02	313.5
			2	-5.6580E+01	1.1301E+02	1.2638E+02	116.6
			3	1.2179E+02	5.9655E+01	1.3561E+02	26.1
			4	-1.3514E+00	6.5501E+00	6.6881E+00	101.7
			5	2.3271E+01	-2.6293E+01	3.5112E+01	311.5
			6	-3.3455E+00	1.9969E+01	2.0247E+01	99.5
			7	3.8981E+00	2.7467E+00	4.7686E+00	35.2
			8	-1.0582E-01	1.8244E+00	1.8275E+00	93.3
			9	2.0346E+00	1.1743E+00	3.1608E+00	21.8
			10	-2.3591E+00	3.8973E-01	2.3910E+00	170.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002FB38	6	1.317E+02	1	1.9160E+02	-2.0733E+02	2.8231E+02	312.7
			2	-8.1629E+01	1.4381E+02	1.6537E+02	119.6
			3	1.4820E+02	9.1178E+01	1.7400E+02	31.6
			4	-1.4233E+00	3.6841E+00	3.9495E+00	111.1
			5	1.1369E+01	-3.8625E+01	4.0263E+01	286.4
			6	1.6526E+01	2.8465E+01	3.2915E+01	59.9
			7	5.5179E+00	4.2859E+00	6.9868E+00	37.8
			8	3.2702E+00	4.7008E+00	5.7264E+00	55.2
			9	1.0532E+00	9.5044E+00	9.5626E+00	83.7
			10	-8.5815E+00	5.6669E+00	1.0284E+01	146.6

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TABLE 10.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002FB90	2	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	288.9
			2	0.0000E+00	0.0000E+00	0.0000E+00	165.3
			3	0.0000E+00	0.0000E+00	0.0000E+00	327.6
			4	0.0000E+00	0.0000E+00	0.0000E+00	20.9
			5	0.0000E+00	0.0000E+00	0.0000E+00	205.6
			6	0.0000E+00	0.0000E+00	0.0000E+00	240.7
			7	0.0000E+00	0.0000E+00	0.0000E+00	198.2
			8	0.0000E+00	0.0000E+00	0.0000E+00	53.2
			9	0.0000E+00	0.0000E+00	0.0000E+00	81.8
			10	0.0000E+00	0.0000E+00	0.0000E+00	9.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002FB90	3	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	272.6
			2	0.0000E+00	0.0000E+00	0.0000E+00	218.0
			3	0.0000E+00	0.0000E+00	0.0000E+00	348.1
			4	0.0000E+00	0.0000E+00	0.0000E+00	99.3
			5	0.0000E+00	0.0000E+00	0.0000E+00	44.2
			6	0.0000E+00	0.0000E+00	0.0000E+00	292.1
			7	0.0000E+00	0.0000E+00	0.0000E+00	27.7
			8	0.0000E+00	0.0000E+00	0.0000E+00	263.5
			9	0.0000E+00	0.0000E+00	0.0000E+00	46.4
			10	0.0000E+00	0.0000E+00	0.0000E+00	27.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002FB90	4	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	205.1
			2	0.0000E+00	0.0000E+00	0.0000E+00	252.3
			3	0.0000E+00	0.0000E+00	0.0000E+00	255.6
			4	0.0000E+00	0.0000E+00	0.0000E+00	9.5
			5	0.0000E+00	0.0000E+00	0.0000E+00	229.8
			6	0.0000E+00	0.0000E+00	0.0000E+00	336.7
			7	0.0000E+00	0.0000E+00	0.0000E+00	74.8
			8	0.0000E+00	0.0000E+00	0.0000E+00	63.3
			9	0.0000E+00	0.0000E+00	0.0000E+00	149.0
			10	0.0000E+00	0.0000E+00	0.0000E+00	66.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002FB90	5	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	285.0
			2	0.0000E+00	0.0000E+00	0.0000E+00	0.4
			3	0.0000E+00	0.0000E+00	0.0000E+00	14.9
			4	0.0000E+00	0.0000E+00	0.0000E+00	136.8
			5	0.0000E+00	0.0000E+00	0.0000E+00	242.7
			6	0.0000E+00	0.0000E+00	0.0000E+00	19.0
			7	0.0000E+00	0.0000E+00	0.0000E+00	258.5
			8	0.0000E+00	0.0000E+00	0.0000E+00	104.6
			9	0.0000E+00	0.0000E+00	0.0000E+00	245.5
			10	0.0000E+00	0.0000E+00	0.0000E+00	151.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 002FB90	6	0.000E+00	1	0.0000E+00	0.0000E+00	0.0000E+00	337.2
			2	0.0000E+00	0.0000E+00	0.0000E+00	44.4
			3	0.0000E+00	0.0000E+00	0.0000E+00	91.0
			4	0.0000E+00	0.0000E+00	0.0000E+00	260.1
			5	0.0000E+00	0.0000E+00	0.0000E+00	22.3
			6	0.0000E+00	0.0000E+00	0.0000E+00	237.2
			7	0.0000E+00	0.0000E+00	0.0000E+00	31.9
			8	0.0000E+00	0.0000E+00	0.0000E+00	196.6
			9	0.0000E+00	0.0000E+00	0.0000E+00	233.7
			10	0.0000E+00	0.0000E+00	0.0000E+00	342.9

TABLE 10.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 LEADLAG	2	1.452E+02	1	8.4781E-02	5.6048E-02	1.8163E-01	33.5
			2	3.3771E-02	-1.5378E-02	3.7107E-02	335.5
			3	3.0772E-02	1.4094E-02	3.3846E-02	24.6
			4	2.3087E-02	-2.1909E-02	3.1828E-02	316.5
			5	-8.3572E-03	-1.6164E-02	1.8197E-02	242.7
			6	7.7547E-03	-9.9859E-03	1.2643E-02	307.8
			7	-7.5062E-03	1.6369E-02	1.8008E-02	114.6
			8	-4.5573E-03	2.1200E-02	2.1684E-02	102.1
			9	6.5116E-03	1.2285E-02	1.3904E-02	62.1
			10	1.5084E-02	-1.3904E-03	1.5148E-02	354.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 LEADLAG	3	1.453E+02	1	9.4600E-02	4.7535E-02	1.0587E-01	26.7
			2	2.0555E-02	3.9087E-02	4.4162E-02	62.3
			3	8.0711E-03	1.9350E-02	2.0966E-02	67.4
			4	1.2865E-02	-2.6924E-02	2.9839E-02	295.5
			5	5.0398E-03	-2.3811E-02	2.4339E-02	282.4
			6	-1.5705E-02	-7.0111E-03	1.7199E-02	204.1
			7	-2.0357E-02	1.0827E-02	2.3058E-02	152.8
			8	-1.5038E-02	5.6959E-03	1.6080E-02	159.3
			9	-1.3187E-02	7.0434E-03	1.4950E-02	151.9
			10	4.3781E-03	-8.8015E-03	9.8303E-04	196.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 LEADLAG	4	1.450E+	1	1.3179E-01	5.9547E-02	1.4462E-01	24.3
			2	-2.3712E-02	4.9133E-02	5.4556E-02	115.8
			3	1.6797E-02	5.7676E-02	6.0072E-02	73.8
			4	5.2980E-03	-2.1784E-02	2.2419E-02	283.7
			5	-2.7075E-03	2.8774E-02	2.8901E-02	84.6
			6	-2.7659E-02	5.4932E-03	2.8199E-02	168.8
			7	8.7844E-03	-3.3921E-02	3.5049E-02	284.5
			8	2.9403E-02	-2.1196E-02	3.6194E-02	324.3
			9	-2.0013E-03	-5.6884E-03	6.0572E-03	249.9
			10	8.0556E-03	5.8287E-03	9.9432E-03	35.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 LEADLAG	5	1.444E+02	1	2.5740E-01	-7.7103E-02	2.6870E-01	343.3
			2	-6.7559E-02	9.0823E-02	1.1319E-01	126.6
			3	-2.0404E-03	9.5099E-02	9.5121E-02	91.2
			4	6.1000E-02	-8.3842E-02	1.0368E-01	306.5
			5	-1.1842E-02	-2.8295E-02	3.0489E-02	247.1
			6	-2.1973E-02	-4.0545E-03	2.2344E-02	196.5
			7	-6.0614E-03	-3.1667E-02	3.2224E-02	259.2
			8	-1.4931E-02	-1.9140E-02	2.4275E-02	232.6
			9	2.0573E-04	1.4158E-02	1.4160E-02	89.2
			10	-2.0541E-02	-1.8326E-03	2.0623E-02	185.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 LEADLAG	6	1.423E+02	1	3.8719E-01	-3.9092E-01	5.5015E-01	314.7
			2	-1.3521E-01	3.5298E-02	1.3974E-01	165.4
			3	1.1642E-01	2.3506E-01	2.6231E-01	63.7
			4	-1.6234E-02	1.2159E-02	2.0283E-02	143.2
			5	-2.8171E-02	8.6399E-02	9.0876E-02	108.1
			6	-6.2899E-02	5.3410E-02	8.2516E-02	139.7
			7	-3.5365E-04	-3.9481E-02	3.9483E-02	269.5
			8	1.7782E-04	-2.1566E-02	2.1567E-02	270.5
			9	2.6541E-02	1.3605E-02	2.9824E-02	27.1
			10	-9.4630E-04	-3.8704E-02	3.8716E-02	268.6

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TABLE 10.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 FLAPANG	2	4.447E+00	1	-1.9727E-01	-3.9116E-01	4.3899E-01	243.2
			2	-1.5093E-01	-6.2378E-02	1.6331E-01	337.5
			3	-1.4150E-01	7.1867E-02	1.5879E-01	153.1
			4	-4.2138E-02	3.6133E-02	5.5509E-02	139.4
			5	-5.4592E-02	-2.9637E-03	5.4673E-02	183.1
			6	3.5385E-02	-8.5385E-03	3.6400E-02	346.4
			7	4.8286E-03	4.1702E-04	4.8466E-03	4.9
			8	-9.9078E-03	-6.3851E-03	1.1787E-02	212.8
			9	8.4859E-03	1.5328E-03	8.6232E-03	19.2
			10	-7.3293E-03	4.4546E-03	8.5769E-03	148.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 FLAPANG	3	4.346E+00	1	-3.7297E-01	-1.4521E-01	4.0024E-01	201.3
			2	1.2730E-01	-1.6690E-01	2.0990E-01	307.3
			3	-1.3678E-01	-4.4827E-02	1.4394E-01	198.1
			4	-3.7869E-03	2.7080E-02	2.7344E-02	98.0
			5	-6.0518E-02	-2.4387E-02	6.5247E-02	201.9
			6	7.8448E-02	-7.4548E-03	7.8802E-02	354.6
			7	2.4962E-02	2.2939E-03	2.5068E-02	5.3
			8	-1.7411E-03	-4.5380E-03	4.8695E-03	249.9
			9	2.8624E-02	-3.8862E-03	2.8887E-02	352.3
			10	4.4869E-03	-8.8352E-04	4.5583E-03	349.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 FLAPANG	4	4.455E+00	1	-4.0990E-01	5.3237E-01	6.7189E-01	127.6
			2	6.5296E-02	-2.7092E-01	2.7868E-01	283.6
			3	-2.1819E-01	-3.0662E-02	2.2034E-01	188.6
			4	-4.2607E-03	6.7496E-02	6.7630E-02	93.6
			5	-4.1550E-02	3.0743E-02	5.1687E-02	143.5
			6	3.2982E-02	-1.1318E-02	3.4869E-02	341.1
			7	1.7487E-02	1.3863E-02	2.2315E-02	38.4
			8	-4.9985E-03	1.0884E-02	1.1977E-02	114.7
			9	-1.5088E-02	5.1705E-03	1.5949E-02	161.1
			10	-5.6147E-03	1.77722E-03	5.8878E-03	162.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 FLAPANG	5	4.391E+00	1	-6.8532E-01	7.9499E-03	6.8537E-01	179.3
			2	-1.3149E-02	-4.2691E-01	4.2712E-01	268.2
			3	-3.4502E-01	-1.8615E-01	3.9293E-01	208.3
			4	4.0663E-02	4.0319E-02	5.7264E-02	44.8
			5	-3.9001E-02	9.4704E-02	1.0242E-01	112.4
			6	7.4693E-03	-7.6073E-02	7.6439E-02	275.6
			7	2.9152E-02	4.1294E-03	2.9443E-02	8.1
			8	-3.6360E-03	1.1151E-02	1.1729E-02	108.1
			9	-2.9078E-03	1.2982E-02	1.3304E-02	162.6
			10	-7.1053E-03	5.4542E-03	8.9573E-03	142.5
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 FLAPANG	6	1.529E+00	1	-1.8206E+00	9.8842E-01	2.0716E+00	151.5
			2	-1.6307E-01	-6.8123E-01	7.0048E-01	256.5
			3	-3.7396E-01	-8.8345E-02	3.8425E-01	193.3
			4	4.9495E-02	4.0972E-02	6.4253E-02	39.6
			5	1.5013E-01	3.3040E-01	3.6291E-01	65.6
			6	-1.1599E-01	-2.1792E-01	2.4687E-01	242.9
			7	-4.0102E-02	-1.3584E-01	1.4164E-01	253.6
			8	5.3233E-02	6.1957E-02	8.1685E-02	49.3
			9	3.7189E-02	-4.8396E-02	6.1034E-02	307.5
			10	1.7080E-02	-2.6938E-02	3.1897E-02	302.4

TABLE 10.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 PTCHLINK	2	-6.572E+01	1	9.5614E+00	1.3404E+01	1.6464E+01	54.5
			2	-5.8387E+00	8.5804E-01	5.9015E+00	171.6
			3	2.9996E+00	-6.0429E-01	2.1848E+00	343.9
			4	-2.4854E+00	-2.6098E+00	3.6039E+00	226.4
			5	-1.8169E+00	-1.7794E+00	2.0495E+00	240.3
			6	-1.6300E-01	3.3945E+00	3.3984E+00	92.7
			7	-1.8337E+00	1.9848E+00	2.7022E+00	132.7
			8	-9.0928E-01	2.2785E+00	2.4533E+00	111.8
			9	1.0911E+00	-8.4394E-02	1.0944E+00	355.6
			10	8.1568E-01	3.0004E+00	3.1093E+00	74.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 PTCHLINK	3	-5.214E+01	1	6.3345E+00	7.0472E+00	9.4757E+00	48.0
			2	-2.3832E+00	1.0655E+00	2.6105E+00	155.9
			3	-5.9568E+00	1.0259E+01	1.1863E+01	126.1
			4	1.1814E+00	1.5830E+00	1.9753E+00	53.3
			5	4.1231E+00	-2.0010E+00	4.5830E+00	334.1
			6	-5.1053E+00	2.9856E+00	5.9142E+00	149.7
			7	-6.1786E+00	2.3190E-01	6.1829E+00	177.9
			8	-2.2772E+00	6.8700E+00	7.2375E+00	108.3
			9	6.4272E+00	7.4789E-01	5.4706E+00	6.6
			10	4.7366E-02	1.6319E+00	1.6326E+00	88.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 PTCHLINK	4	-3.564E+01	1	-1.8209E+00	1.2700E+01	1.2830E+01	98.2
			2	-4.4112E+00	-1.7858E+01	1.8395E+01	256.1
			3	-4.6625E+00	2.0520E+01	2.1043E+01	102.8
			4	-4.3412E+00	4.9681E+00	6.5975E+00	131.1
			5	9.5962E+00	-8.5728E+00	1.2868E+01	318.2
			6	-7.2167E-01	-2.3096E+00	2.4197E+00	252.6
			7	-1.4036E+01	-2.5882E+00	1.4273E+01	190.4
			8	-7.9084E+00	7.1977E+00	1.0693E+01	137.7
			9	1.2609E+01	9.2425E+00	1.5634E+01	36.2
			10	3.0682E+00	1.6612E+00	3.4890E+00	28.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 PTCHLINK	5	8.181E+00	1	-2.2841E+01	6.8945E+00	2.3859E+01	163.2
			2	1.4429E+01	-4.7252E+01	4.9406E+01	287.0
			3	-3.2980E+01	5.1293E+01	6.0980E+01	122.7
			4	-3.3970E+00	1.8960E+01	1.9262E+01	100.2
			5	1.1491E+01	-5.0272E+00	1.2542E+01	336.4
			6	1.4718E+01	1.0622E+00	1.4756E+01	4.1
			7	-2.0055E+01	-1.8873E+01	2.7539E+01	223.3
			8	-9.9731E+00	9.3221E+00	1.3652E+01	136.9
			9	1.4900E+01	4.8418E+00	1.5667E+01	18.0
			10	1.1951E+01	7.9364E+00	1.4347E+01	33.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 PTCHLINK	6	-3.453E+01	1	9.0460E+00	1.2058E+00	9.1260E+00	7.6
			2	-1.0206E+01	-1.0140E+01	1.4387E+01	224.8
			3	-1.7623E+01	3.3397E+01	3.7762E+01	117.8
			4	-6.1134E+00	2.3087E+01	2.3883E+01	104.8
			5	-6.4961E+00	-2.0154E+00	6.8015E+00	197.2
			6	1.1224E+01	1.2348E+01	1.6686E+01	47.7
			7	-1.5644E+01	-1.9481E+01	2.4985E+01	231.2
			8	9.3289E-01	9.0612E+00	9.1091E+00	84.1
			9	-6.8482E+00	-7.8863E+00	1.0445E+01	229.0
			10	9.7972E+00	3.1732E+00	1.0298E+01	17.9

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TABLE 10.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004CB18	2	-2.324E+03	1	-1.4062E+02	-6.0215E+01	1.5297E+02	203.2
			2	6.1417E+01	-2.5887E+00	6.1471E+01	357.6
			3	8.8245E+00	5.6329E+01	3.7385E+01	76.3
			4	-1.1430E+02	1.4069E+02	1.8127E+02	50.9
			5	-5.6458E+01	3.7585E+01	6.7825E+01	146.3
			6	1.2299E+01	-4.0966E-01	1.2306E+01	358.1
			7	4.5881E+00	-2.1780E+00	5.0788E+00	334.6
			8	-2.9711E+00	-5.2062E+00	5.9944E+00	240.3
			9	2.8947E+00	-1.3417E+00	3.1906E+00	335.1
			10	2.4206E+00	-3.5699E-01	2.4468E+00	351.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004CB18	3	-2.291E+03	1	-1.4327E+02	-7.8468E+01	1.6335E+02	208.7
			2	5.8814E+01	-2.4482E+01	6.3706E+01	337.4
			3	-1.9144E+01	2.1268E+01	2.8615E+01	132.9
			4	4.1734E+01	1.6726E+02	1.7239E+02	76.0
			5	-1.1802E+02	4.8875E+01	1.2774E+02	157.5
			6	1.3604E+01	2.6536E+00	1.3860E+01	11.0
			7	9.4413E-01	-3.7727E-01	1.0167E+00	338.2
			8	-3.2870E+01	-1.7752E+01	3.7358E+01	208.4
			9	-6.2102E+00	-7.5596E+00	9.7834E+00	234.6
			10	9.9445E-01	3.3014E+00	3.4479E+00	73.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004CB18	4	-2.194E+03	1	-1.6638E+02	-8.9767E+01	1.8905E+02	208.3
			2	5.8527E+01	-2.1349E+01	6.2299E+01	340.0
			3	-1.7498E+01	2.2676E+01	2.8642E+01	127.7
			4	1.4240E+02	4.7184E+02	4.9286E+02	73.2
			5	-4.6888E+01	-1.7989E+01	5.0221E+01	201.0
			6	2.3585E+01	4.2514E+00	2.3965E+01	10.2
			7	-2.3344E+00	7.4226E+00	7.7811E+00	107.5
			8	2.3583E+01	-3.6047E+01	4.3076E+01	303.2
			9	7.4469E-01	-3.9166E+00	3.9868E+00	280.8
			10	-4.2199E+00	4.2683E+00	6.0021E+00	134.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004CB18	5	-2.231E+03	1	-1.6747E+02	-9.0797E+01	1.9050E+02	208.5
			2	6.9410E+01	-5.5957E+01	8.9157E+01	321.1
			3	3.0367E+01	-4.1012E+00	3.0642E+01	352.3
			4	-7.8931E+01	4.9113E+02	4.9744E+02	99.1
			5	-1.2617E+01	3.6417E+01	3.8541E+01	109.1
			6	3.5084E+01	-7.2618E+00	3.5828E+01	348.3
			7	-3.1562E+00	9.7407E+00	1.0239E+01	108.0
			8	1.7824E+01	1.5162E+01	2.3400E+01	40.4
			9	-7.0370E+00	9.2656E+00	1.1635E+01	127.2
			10	2.4831E+00	1.2701E+01	1.2941E+01	78.9
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004CB18	6	-2.257E+03	1	-1.3549E+02	-1.1450E+02	1.7732E+02	220.2
			2	1.0759E+02	-4.5631E+01	1.1686E+02	337.0
			3	9.2328E+01	-2.4896E+01	9.5625E+01	344.9
			4	-2.0252E+02	5.6317E+02	5.9847E+02	109.8
			5	-2.3479E+01	9.5750E+01	9.8587E+01	103.8
			6	3.2685E+01	-1.7853E+01	3.7243E+01	331.4
			7	4.9508E+00	1.5900E+01	1.6653E+01	72.7
			8	3.3222E+01	2.5686E+01	4.1994E+01	37.7
			9	-6.1432E+00	1.3820E+01	1.5124E+01	114.0
			10	2.9316E+00	2.1381E+01	2.1581E+01	82.2

TABLE 10.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004CB53	2	-6.167E+02	1	-6.1212E+01	-2.9054E+01	6.7757E+01	205.4
			2	6.2171E+01	-1.5548E+01	6.4086E+01	346.0
			3	1.6946E+01	3.6661E+00	1.7338E+01	12.2
			4	1.4360E+02	1.4058E+02	2.0096E+02	44.4
			5	-1.3521E+02	1.1259E+02	1.7589E+02	140.2
			6	-1.0769E+01	-3.0057E-02	1.0769E+01	180.2
			7	-1.0424E+01	-5.2081E+00	1.1653E+01	206.5
			8	5.5831E+00	1.0230E+01	1.1655E+01	61.4
			9	-6.5726E+00	2.8555E+00	7.1661E+00	156.5
			10	-4.6498E+00	1.5688E+00	4.9073E+00	161.4
RUN FIRST 1/R	TP	STEADY*	HN	COS	SIN	RESULTANT	SCPHASE
59 004CB53	3	-6.162E+02	1	-8.9586E+01	-3.6160E+01	9.6609E+01	202.0
			2	4.3988E+01	-1.7698E+01	4.7415E+01	338.1
			3	6.1522E+00	7.7175E+00	9.8697E+00	51.4
			4	5.0959E+01	1.8462E+02	1.9152E+02	74.6
			5	-3.1934E+02	1.2459E+02	3.4278E+02	158.7
			6	-2.8816E+01	-1.4567E+01	3.2288E+01	206.8
			7	-2.0825E+01	-7.5021E+00	2.2135E+01	199.8
			8	5.0702E+01	2.8938E+01	5.8379E+01	29.7
			9	9.4692E-01	7.4797E+00	7.5394E+00	82.8
			10	-6.8067E+00	-3.9238E+00	7.8567E+00	210.0
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004CB53	4	-5.902E+02	1	-1.2006E+02	-4.4721E+01	1.2812E+02	200.4
			2	2.5462E+01	-4.2599E+00	2.5816E+01	350.5
			3	9.3259E+00	8.8492E+00	1.2855E+01	43.5
			4	2.1959E+02	5.9132E+02	6.3077E+02	69.6
			5	-1.0558E+02	-9.1954E+01	1.4001E+02	221.1
			6	3.8664E+01	-3.7038E+01	5.3541E+01	316.2
			7	-1.0007E+01	-1.0138E+01	1.4245E+01	225.4
			8	-4.6148E+01	6.3162E+01	7.8224E+01	126.2
			9	-2.2960E+00	3.5178E-01	2.3228E+00	171.3
			10	9.6957E-01	-3.3275E+00	3.4659E+00	286.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004CB53	5	-5.883E+02	1	-1.1819E+02	-5.1974E+01	1.2911E+02	203.7
			2	3.1017E+01	-2.7156E+01	4.1159E+01	318.9
			3	1.6399E+01	8.5435E+00	1.8483E+01	27.5
			4	-7.4530E+01	6.7518E+02	6.7928E+02	96.3
			5	5.9940E+01	7.8515E+01	9.8788E+01	52.6
			6	8.7907E+01	-3.1496E+01	9.3378E+01	340.3
			7	-1.6986E+01	3.7366E+00	1.7392E+01	167.6
			8	-3.4629E+01	-3.2679E+01	4.7608E+01	223.3
			9	9.9029E+00	-1.3799E+01	1.6985E+01	305.7
			10	-4.7238E+00	-1.1670E+01	1.2590E+01	248.0
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB13	2	2.026E+02	1	2.2417E+01	-3.2605E+01	3.9568E+01	304.5
			2	-4.1094E+01	6.9831E+00	4.1683E+01	170.4
			3	-6.5458E+01	-4.4476E+01	4.4481E+01	269.2
			4	1.1105E+00	-3.5876E+01	3.5893E+01	271.8
			5	3.3102E+01	-3.0932E+00	3.3246E+01	354.7
			6	-3.1884E+01	-4.9603E+00	3.2267E+01	188.8
			7	-2.3058E+01	4.5984E+00	2.3512E+01	168.7
			8	-1.8592E+01	-4.7175E+00	1.9181E+01	194.2
			9	-1.0935E+01	7.6610E+00	1.3352E+01	145.0
			10	-9.5248E+00	7.7640E-01	9.5564E+00	175.3

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TABLE 10.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB13	3	2.028E+02	1	7.9143E+01	-4.0366E+01	8.8843E+01	333.0
			2	-3.6119E+01	1.9985E+01	4.1279E+01	151.0
			3	2.4335E+01	-1.7715E+01	3.0100E+01	323.9
			4	1.0944E+01	-2.7014E+01	2.7015E+01	276.2
			5	4.0666E+01	-2.0698E+01	4.5630E+01	333.0
			6	-2.2266E+01	-1.5381E+01	2.7643E+01	216.3
			7	-1.1629E+01	-3.7697E+00	1.2224E+01	198.0
			8	-3.5588E+01	1.2978E+01	3.7881E+01	160.0
			9	-2.5255E+01	-2.7919E+01	3.7646E+01	227.9
			10	-1.6007E+01	-6.9234E+00	1.7440E+01	203.4
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB13	4	2.061E+02	1	9.9924E+01	-4.1885E+01	1.0835E+02	337.3
			2	-3.4487E+01	3.4788E+01	4.8985E+01	134.8
			3	1.2506E+01	-3.7424E+01	3.9459E+01	288.5
			4	3.6975E+01	-7.9328E+00	3.6937E+01	347.6
			5	4.7627E+01	5.7291E+00	4.7970E+01	6.9
			6	-1.7495E+01	-1.3806E+01	2.2287E+01	218.3
			7	-4.4602E+01	-2.1581E+01	2.1585E+01	268.8
			8	-8.6998E+01	-2.9571E+01	2.9584E+01	268.3
			9	4.6417E+01	-4.0876E+01	6.1850E+01	318.6
			10	1.9318E+01	-1.3146E+01	2.3367E+01	325.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB13	5	1.874E+02	1	1.2997E+02	-6.0674E+01	1.4343E+02	335.0
			2	-3.1861E+01	5.4184E+01	6.2858E+01	129.5
			3	-4.7896E+01	-1.5473E+01	5.0333E+01	197.9
			4	2.9311E+01	-1.7368E+00	2.9363E+01	356.6
			5	5.3981E+01	7.4025E+00	5.4487E+01	7.8
			6	-5.3494E+01	3.1551E+01	6.2105E+01	149.5
			7	-2.9129E+00	-1.0871E+01	1.1255E+01	255.4
			8	2.6442E+01	9.1747E+00	2.7988E+01	19.1
			9	3.1658E+01	-3.6310E+01	4.8173E+01	311.1
			10	1.8541E+01	-7.0405E+00	1.9832E+01	339.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB13	6	1.784E+02	1	1.6955E+02	-6.9493E+01	1.8324E+02	337.7
			2	-3.5906E+01	5.1441E+01	6.2732E+01	124.9
			3	-1.3410E+02	-1.6897E+01	1.3516E+02	187.2
			4	2.5537E+01	-6.0669E+01	6.5816E+01	292.8
			5	2.2828E+01	-2.1751E+01	3.1531E+01	316.4
			6	-6.4221E+01	4.3445E+01	7.7536E+01	145.9
			7	-2.2769E+01	-1.4626E+01	2.7062E+01	212.7
			8	3.5312E+01	2.5093E+01	4.3320E+01	35.4
			9	-5.9311E+00	-3.7021E+01	3.7493E+01	260.9
			10	1.6136E+01	-1.4881E+01	2.1951E+01	317.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB18	2	-3.051E+01	1	5.3292E+01	-6.5434E+01	8.4389E+01	309.2
			2	-4.7853E+01	9.8132E+00	4.8848E+01	168.4
			3	-4.3663E+00	-5.4046E+01	5.4222E+01	265.4
			4	-6.4906E+01	-4.1621E+01	4.1626E+01	269.1
			5	2.6753E+01	7.6927E+01	2.6764E+01	1.6
			6	-3.4572E+01	-2.5033E+00	3.4663E+01	184.1
			7	-2.0481E+01	4.4281E+00	2.0954E+01	167.8
			8	-1.6538E+01	-2.4903E+00	1.6725E+01	188.6
			9	-7.3159E+00	7.6392E+00	1.0577E+01	133.8
			10	-6.9567E+00	9.7037E-01	7.0241E+00	172.1

TABLE 10.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB18	3 -3.063E+01		1 1.0453E+02	-8.6331E+01	1.3557E+02	320.4	
			2 -4.0501E+01	3.3511E+01	5.2562E+01	140.4	
			3 2.2849E+01	-2.7014E+01	3.5382E+01	310.2	
			4 -1.5442E+00	-3.3761E+01	3.3796E+01	267.4	
			5 2.6534E+01	-1.6393E+01	3.1169E+01	528.3	
			6 -3.0156E+01	-1.2972E+01	3.2827E+01	203.1	
			7 -1.1945E+01	-8.0751E-01	1.1973E+01	183.9	
			8 -2.8032E+01	1.2367E+01	3.0638E+01	156.2	
			9 -2.0998E+01	-1.9035E+01	2.8342E+01	222.2	
			10 -1.0220E+01	-4.8483E+00	1.1312E+01	205.4	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB18	4 -3.810E+01		1 1.3033E+02	-1.0002E+02	1.6429E+02	322.5	
			2 -3.7033E+01	5.3483E+01	6.4725E+01	124.9	
			3 8.0429E+00	-4.9438E+01	5.0088E+01	279.2	
			4 3.8630E+01	-1.5646E+01	4.1678E+01	338.0	
			5 4.4911E+01	-4.5807E+00	4.4248E+01	354.1	
			6 -2.2022E+01	-1.5123E+01	2.6715E+01	214.5	
			7 -2.3994E+00	-2.1216E+01	2.1351E+01	263.5	
			8 -7.3395E+00	-2.2654E+01	2.3813E+01	252.0	
			9 3.2192E+01	-2.8716E+01	4.3139E+01	318.3	
			10 1.2812E+01	-1.0770E+01	1.6737E+01	319.9	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB18	5 -5.342E+01		1 1.6229E+02	-1.1991E+02	2.0178E+02	323.5	
			2 -3.6784E+01	8.1151E+01	8.9999E+01	114.4	
			3 -6.3194E+01	-1.4834E+01	6.4912E+01	193.2	
			4 3.3509E+01	-6.2630E-01	3.3515E+01	358.9	
			5 6.1498E+01	9.3833E+00	6.2209E+01	8.7	
			6 -4.3411E+01	3.2003E+01	5.3932E+01	143.6	
			7 -5.7632E+01	-1.3132E+01	1.3145E+01	267.5	
			8 1.7180E+01	6.3002E+00	1.8299E+01	20.1	
			9 2.4790E+01	-2.8518E+01	3.7786E+01	311.3	
			10 9.5675E+00	-5.5014E+00	1.1036E+01	330.1	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB18	6 -5.942E+01		1 1.9981E+02	-1.4359E+02	2.4606E+02	324.3	
			2 -5.2377E+01	7.9880E+01	9.5521E+01	123.3	
			3 -1.6495E+02	-1.1116E+01	1.6533E+02	183.9	
			4 2.0349E+01	-5.1117E+01	5.5019E+01	291.7	
			5 2.7230E+01	-1.2382E+01	2.9913E+01	335.5	
			6 -5.8542E+01	4.2928E+01	7.2594E+01	143.7	
			7 -2.1287E+01	-1.5579E+01	2.6379E+01	216.2	
			8 2.3372E+01	1.6791E+01	2.8778E+01	35.7	
			9 -5.9084E+00	-2.5932E+01	2.6597E+01	257.2	
			10 9.7936E+00	-8.5020E+00	1.2969E+01	319.0	
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB53	2 -4.124E+00		1 2.7877E+01	-7.3198E+01	7.8327E+01	290.8	
			2 -6.0214E+01	1.0452E+01	6.1114E+01	170.2	
			3 -8.9119E+00	-1.0467E+01	1.3747E+01	229.6	
			4 -9.2025E+00	5.9434E+00	1.0955E+01	147.1	
			5 -7.7405E+00	2.1571E+00	8.0355E+00	164.4	
			6 1.2799E+01	3.0388E+00	1.3155E+01	13.4	
			7 1.1100E+01	-6.8542E+01	1.1121E+01	356.5	
			8 8.9204E+00	-1.5724E+00	9.0579E+00	350.0	
			9 6.0578E+00	-6.6463E+00	8.9927E+00	312.3	
			10 4.7520E+00	-7.2171E-01	4.8065E+00	351.4	

TABLE 10.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB53	3	3.382E+00	1	7.3334E+01	-8.8810E+01	1.1517E+02	309.5
			2	-3.8575E+01	1.6430E+01	4.1928E+01	156.9
			3	1.0292E+01	3.9301E+00	1.1017E+01	20.9
			4	-1.1176E+01	5.9143E+00	1.2645E+01	152.1
			5	-1.0701E+01	3.9311E+00	1.1400E+01	159.8
			6	4.0792E+00	5.3034E+00	6.6907E+00	52.4
			7	4.1629E+00	1.8568E+00	4.5582E+00	24.4
			8	1.1476E+01	-7.0728E+00	1.3480E+01	328.4
			9	8.2769E+00	6.2108E+00	1.0348E+01	36.9
			10	2.8481E+00	-8.8400E+01	2.9822E+00	342.8
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB53	4	2.722E+00	1	9.5623E+01	-1.0109E+02	1.3915E+02	313.4
			2	-2.5504E+01	1.4843E+01	2.9509E+01	149.8
			3	5.1953E+00	-1.9657E+01	2.0332E+01	284.8
			4	-1.2957E+01	1.0220E+00	1.2997E+01	175.5
			5	-1.0299E+01	2.6996E+00	1.8647E+01	165.3
			6	3.1563E+00	5.7392E+00	6.5499E+00	61.2
			7	-9.3042E-01	1.0634E+01	1.0674E+01	95.8
			8	4.1265E+00	1.4035E+01	1.4629E+01	73.6
			9	-1.8579E+01	1.6340E+01	2.4742E+01	138.7
			10	-6.9512E+00	4.2885E+00	8.1676E+00	148.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB53	5	5.031E+00	1	9.9225E+01	-1.0833E+02	1.4690E+02	312.5
			2	-2.7750E+01	3.4972E+01	4.4644E+01	128.4
			3	2.8656E+01	9.4490E+01	2.8671E+01	178.1
			4	-8.5562E+00	-1.0450E+01	1.3506E+01	230.7
			5	-1.5345E+01	-3.3524E+00	1.5707E+01	192.3
			6	1.3001E+01	-9.3788E+00	1.6831E+01	324.2
			7	2.1786E+00	6.0239E+00	6.4058E+00	70.1
			8	-5.2488E+00	-2.3576E+00	5.7540E+00	204.2
			9	-1.1715E+01	1.7147E+01	2.9767E+01	124.3
			10	-2.9156E+00	5.0260E+00	5.8104E+00	120.1
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB53	6	1.848E+01	1	9.9238E+01	-1.1612E+02	1.5274E+02	310.5
			2	-4.4165E+01	4.3966E+01	6.2318E+01	135.1
			3	-7.9613E+01	1.9192E+01	8.1894E+01	166.4
			4	-6.4879E+00	-1.7177E+01	1.8361E+01	249.3
			5	-1.4423E+00	-3.0296E+00	3.3554E+00	244.5
			6	1.9372E+01	-1.4700E+01	2.4318E+01	322.8
			7	1.0332E+01	4.2877E+00	1.1187E+01	22.5
			8	-1.0343E+01	-8.8746E+00	1.3628E+01	220.6
			9	5.2961E+00	1.4887E+01	1.5801E+01	78.4
			10	-1.6891E+00	6.2383E+00	6.4629E+00	105.2
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB90	2	5.610E+01	1	5.2827E+00	-2.0182E+01	2.0862E+01	284.7
			2	-1.4870E+01	1.0595E+01	1.8258E+01	144.5
			3	-3.4739E+00	-2.9850E+00	4.5802E+00	220.7
			4	3.5319E+00	-4.8732E+00	6.0185E+00	305.9
			5	-3.8636E-02	-4.8723E+00	4.8724E+00	269.5
			6	-6.7683E-01	-1.6819E+00	1.8130E+00	248.1
			7	-1.7160E+00	5.5276E+00	5.7878E+00	107.2
			8	1.6776E+00	1.8531E+00	2.4996E+00	47.8
			9	3.9899E+00	-3.9838E+00	5.6383E+00	315.0
			10	3.9413E-01	4.3907E-01	5.9002E-01	48.1

TABLE 10.- CONTINUED

c) Continued

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004FB90	5	1.542E+02	1	9.0094E+00	-1.7624E+01	1.9793E+01	297.1
			2	-2.4635E+00	6.4051E+00	6.8625E+00	111.0
			3	-4.5494E+00	2.0402E+00	4.9859E+00	155.8
			4	-8.1617E-02	-3.9107E+00	3.9116E+00	268.8
			5	-1.6658E+00	-9.2400E-02	1.6683E+00	183.2
			6	-1.2392E+00	-3.0110E+00	3.2560E+00	247.6
			7	-1.4617E+00	9.5278E-01	1.7448E+00	146.9
			8	-3.4424E-01	3.4017E-01	4.8396E-01	135.3
			9	-4.0984E+00	-1.4327E+00	4.3416E+00	199.3
			10	-1.5699E+00	-2.6690E-01	1.5925E+00	189.6
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004TB13	2	-1.038E+02	1	1.7649E+01	-1.6533E+01	2.4183E+01	316.9
			2	-1.2336E+01	1.1606E-01	1.2337E+01	179.5
			3	-7.7583E+00	-7.8940E+00	1.1068E+01	225.5
			4	-2.6756E+00	-1.5114E+01	1.5349E+01	260.0
			5	5.6597E+00	-6.2038E+00	8.3976E+00	312.4
			6	-7.3235E+00	3.1635E+00	7.9776E+00	156.6
			7	-4.6114E+00	8.8963E-01	4.6964E+00	169.1
			8	-1.0462E+00	-1.1186E+00	1.5316E+00	226.9
			9	6.9809E-01	1.4009E+00	1.5652E+00	63.5
			10	-3.2567E-01	1.6413E-01	3.6469E-01	153.3
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004TB13	3	-9.858E+01	1	3.1951E+01	-2.8314E+01	4.2692E+01	318.5
			2	-1.5880E+01	2.7818E+00	1.6122E+01	170.1
			3	-6.2560E+00	1.1948E+00	6.3691E+00	169.2
			4	-8.0582E+00	-1.2749E+01	1.5082E+01	237.7
			5	-2.1516E-01	-1.1110E+01	1.1112E+01	268.9
			6	-8.6841E+00	-4.9891E-01	8.6984E+00	183.3
			7	-4.1433E+00	1.1612E+00	4.3830E+00	164.3
			8	-5.1219E+00	9.2153E-01	5.2042E+00	169.8
			9	-1.7072E+00	-2.3671E+00	2.9185E+00	234.2
			10	-8.5770E-01	-5.0853E-01	9.9712E-01	210.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004TB13	4	-1.011E+02	1	4.0203E+01	-3.5066E+01	5.3347E+01	318.9
			2	-1.8212E+01	2.9649E-02	1.8212E+01	179.9
			3	-3.8143E+00	1.6232E+00	4.1454E+00	156.9
			4	-1.0800E+01	-3.3776E+00	1.1316E+01	342.6
			5	2.5321E+00	-1.2652E+01	1.2903E+01	281.3
			6	-4.0816E+00	-4.4273E+00	6.9217E+00	227.3
			7	-3.4820E+00	-2.5226E+00	4.2998E+00	215.9
			8	-1.2224E+00	-6.2484E+00	6.3669E+00	258.9
			9	4.5065E+00	-4.2331E+00	6.1828E+00	316.8
			10	2.9342E+00	-1.5809E+00	3.3330E+00	331.7
RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004TB13	5	-1.038E+02	1	5.5835E+01	-4.7056E+01	7.3019E+01	319.9
			2	-3.0747E+01	-9.9573E-01	3.0764E+01	181.9
			3	-2.1692E+01	6.6529E+00	2.2690E+01	162.9
			4	7.7647E+00	1.1258E+01	1.3676E+01	55.4
			5	6.2131E+00	-8.5659E+00	1.0582E+01	306.0
			6	-1.4473E+00	2.7208E+00	3.0818E+00	118.0
			7	-2.6318E+00	8.7078E-02	2.6333E+00	178.1
			8	3.0970E+00	2.0623E+00	3.7209E+00	33.7
			9	2.3025E+00	-2.5909E+00	3.4661E+00	311.6
			10	1.2239E+00	7.1895E-01	1.4194E+00	30.4

TABLE 10.- CONCLUDED

c) Concluded

RUN FIRST 1/R	TP	STEADY	HN	COS	SIN	RESULTANT	SCPHASE
59 004TB13	6	-1.103E+02	1	7.7195E+01	-8.1185E+01	1.1203E+02	313.6
			2	-5.3073E+01	-1.5023E+01	5.5158E+01	195.8
			3	-5.3603E+01	5.3687E+00	5.3871E+01	174.3
			4	-7.1709E+00	1.1404E+01	1.3471E+01	122.2
			5	-5.7079E+00	-5.4427E+00	7.8869E+00	223.6
			6	-6.8450E+00	7.3900E+00	1.0073E+01	132.8
			7	-5.9185E+00	2.0701E+00	6.2701E+00	160.7
			8	5.5043E+00	4.2978E+00	6.9834E+00	38.0
			9	-2.0886E+00	-1.6630E+00	2.6698E+00	218.5
			10	-8.7954E-01	1.2701E+00	1.5515E+00	124.5

## **FREE-TIP CONCEPT**

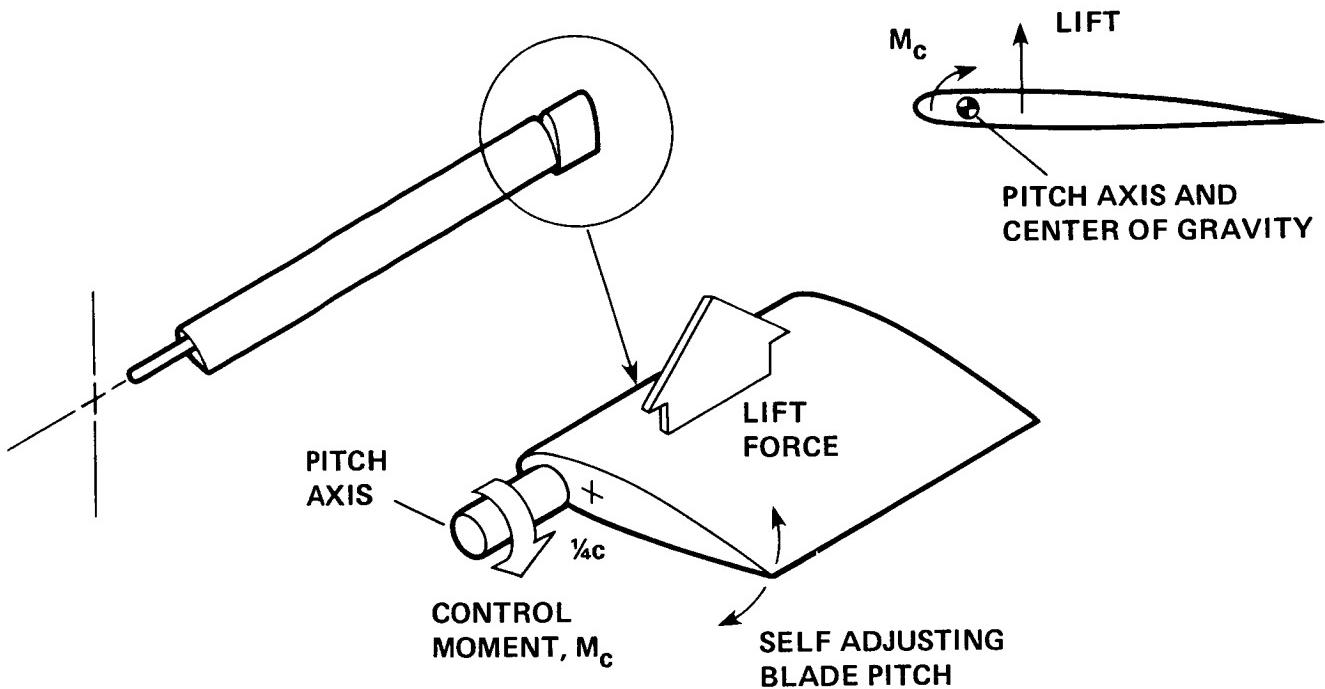


Figure 1.- Schematic of the free-tip.

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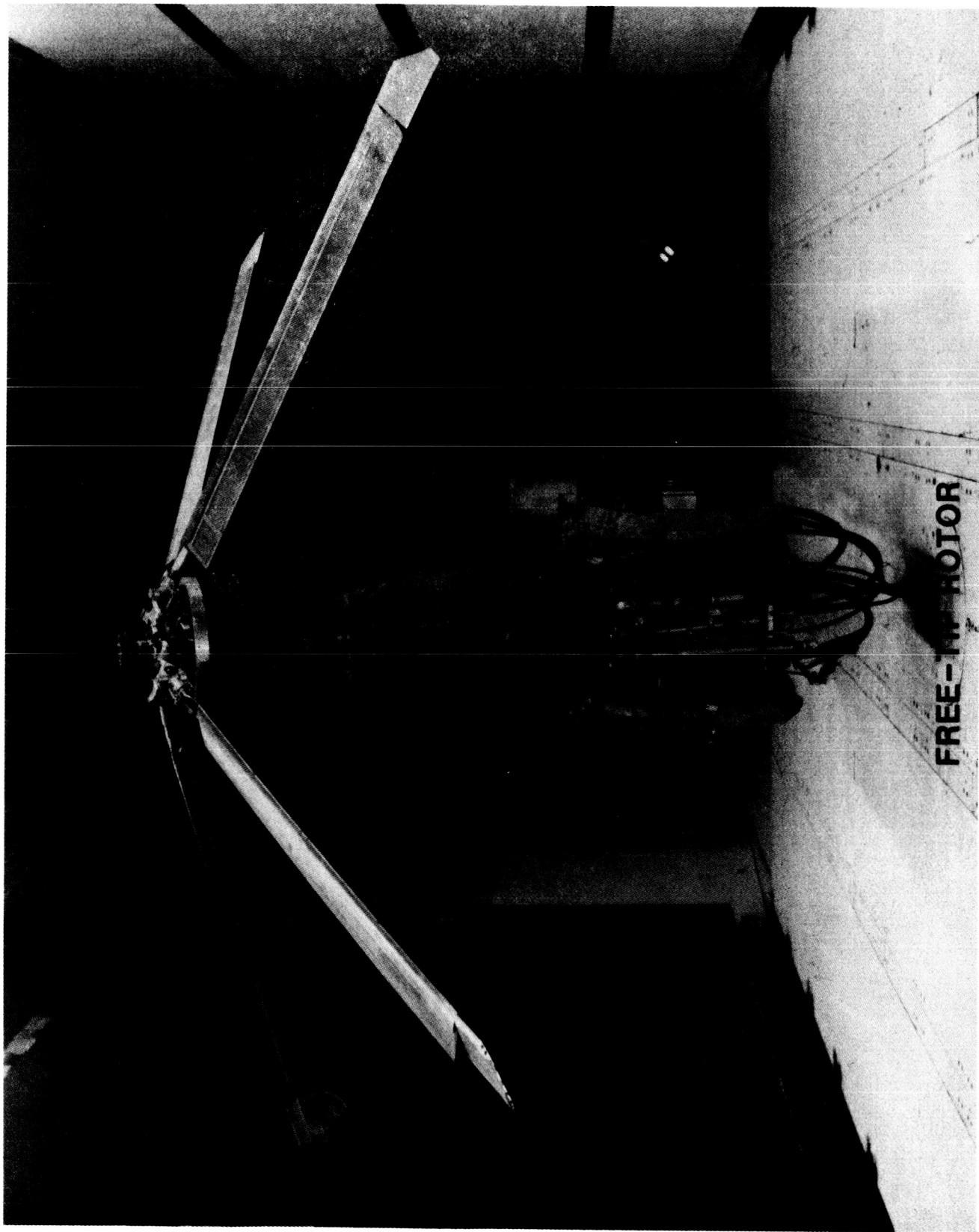


Figure 2.- Free-tip rotor in Boeing-Vertol wind tunnel.

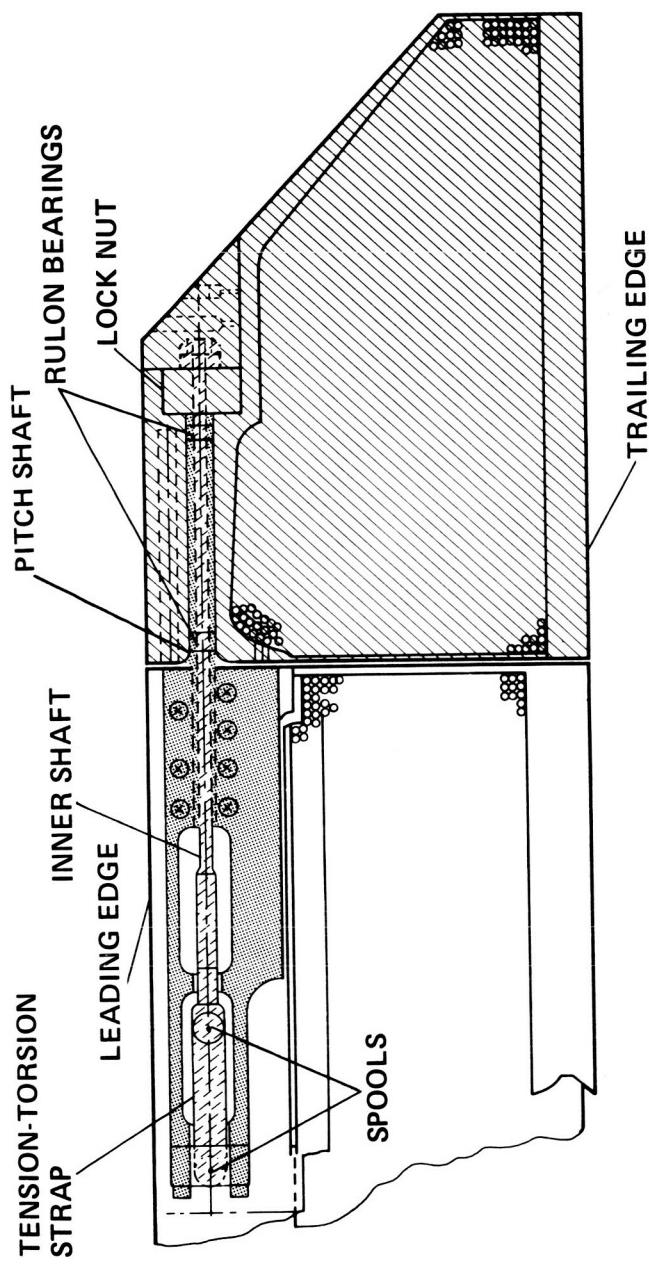
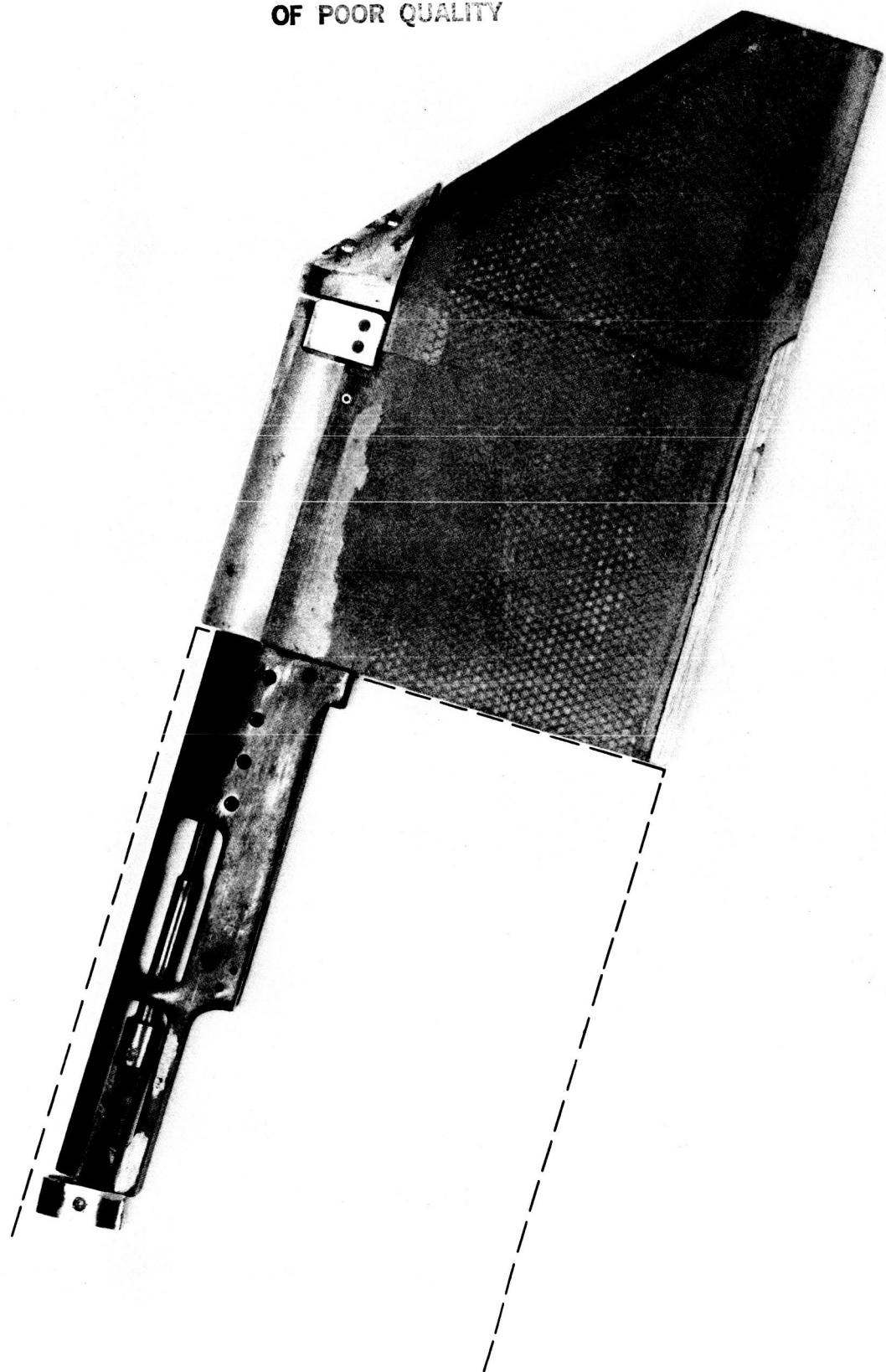


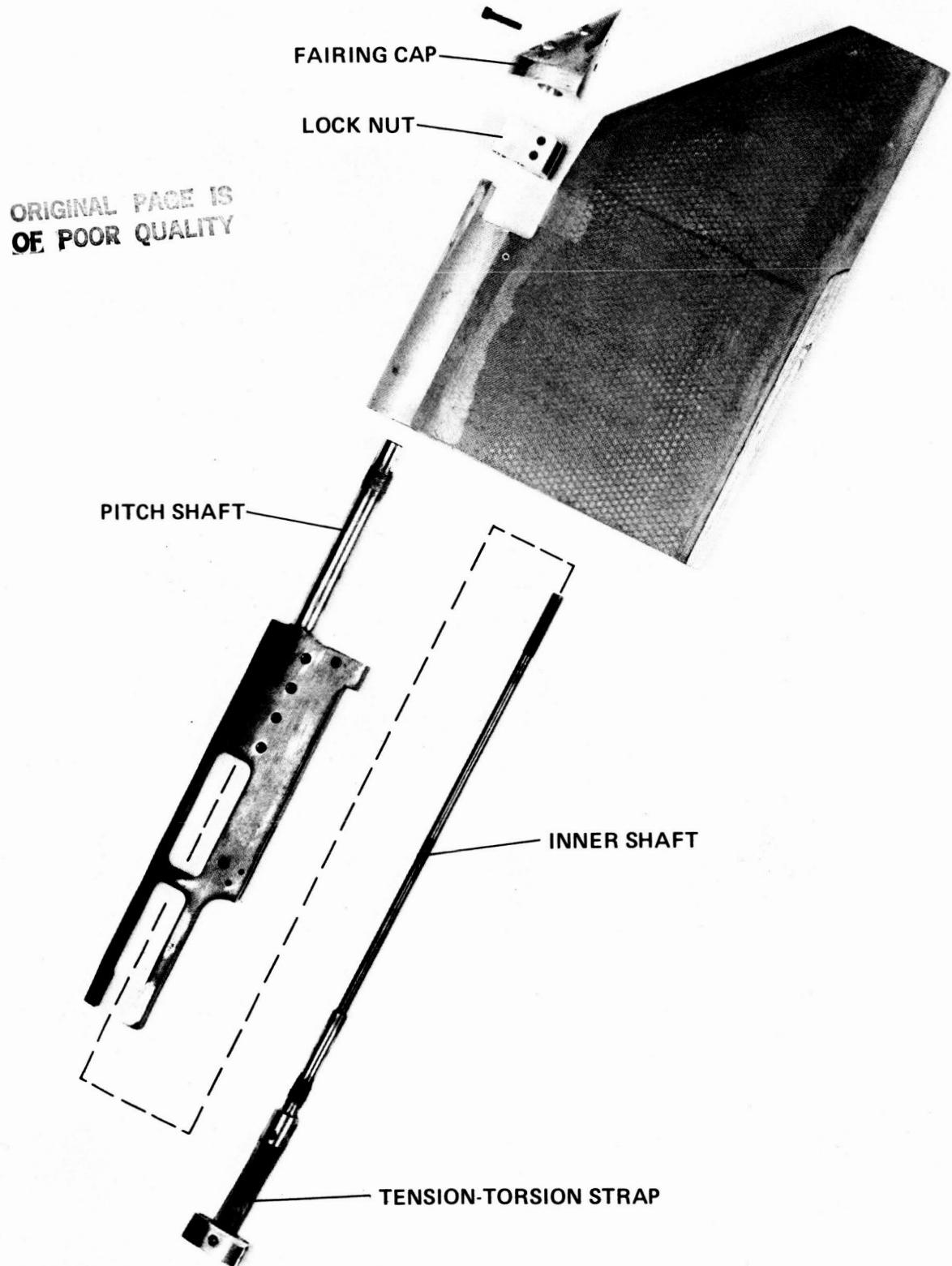
Figure 3.- Free-tip assembly.

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(a) Assembled view.

Figure 4.- Exploded view of free-tip assembly.



(b) Unassembled view.

Figure 4.- Concluded.

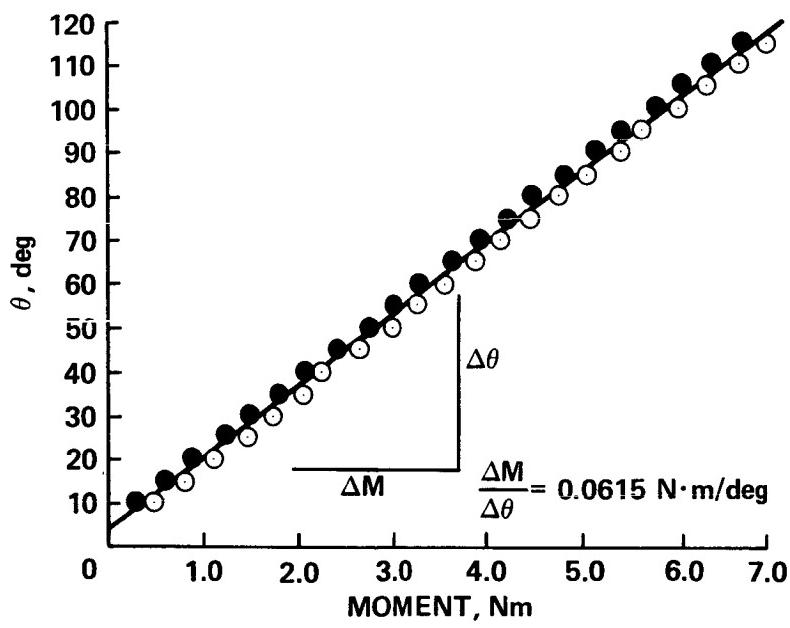


Figure 5.- Torque calibration of controller.

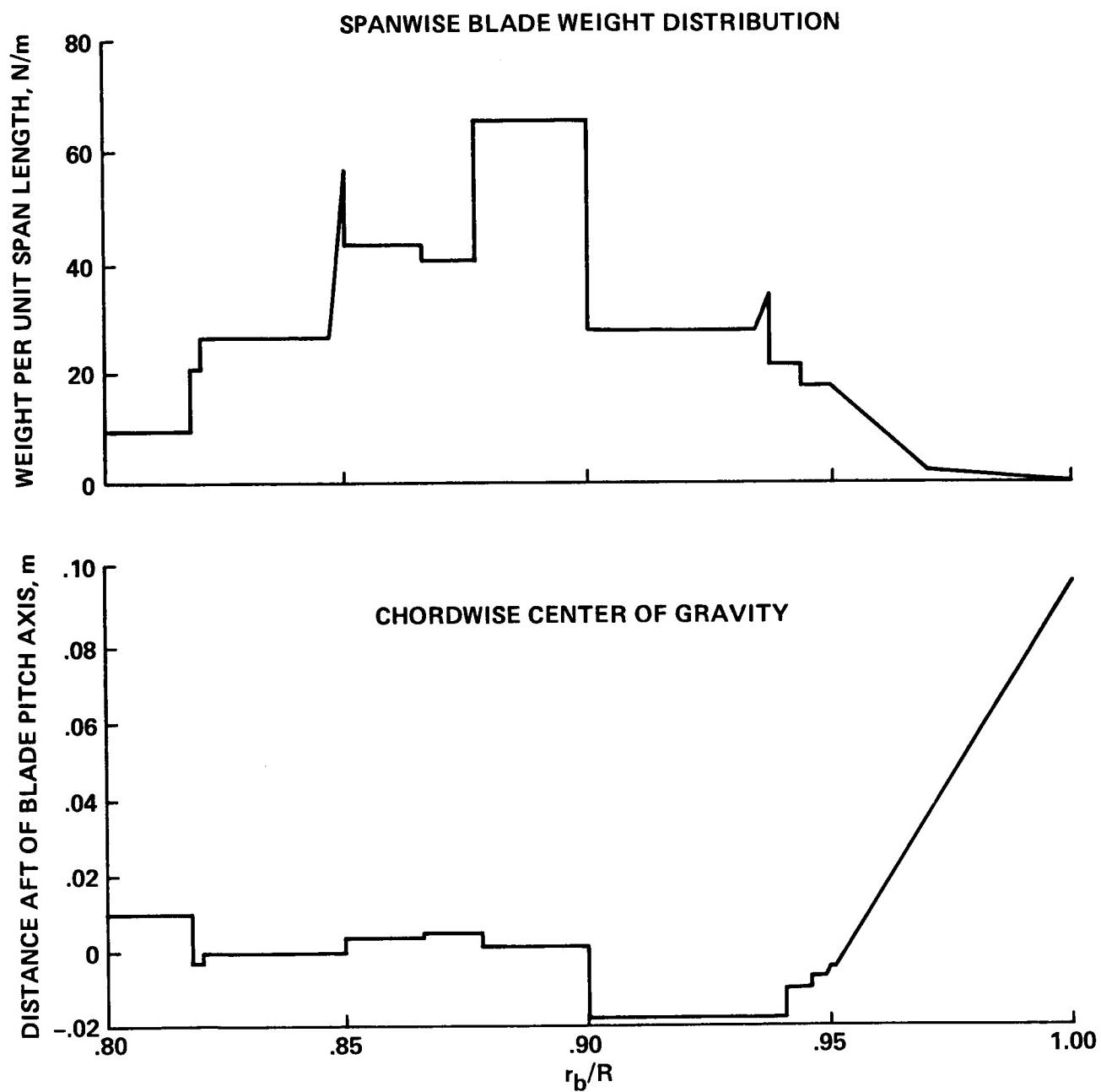
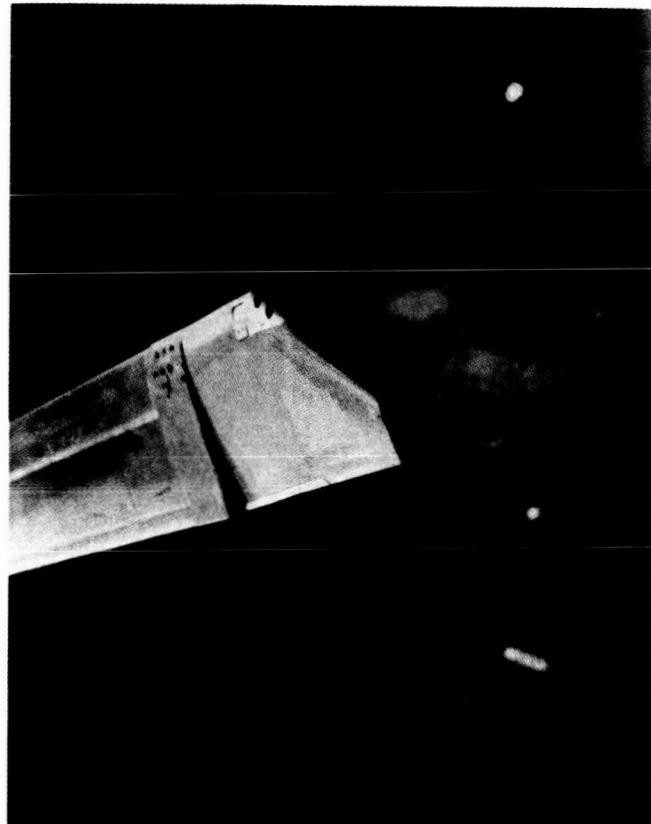


Figure 6.- Spanwise distribution of blade weight and chordwise center of gravity location.

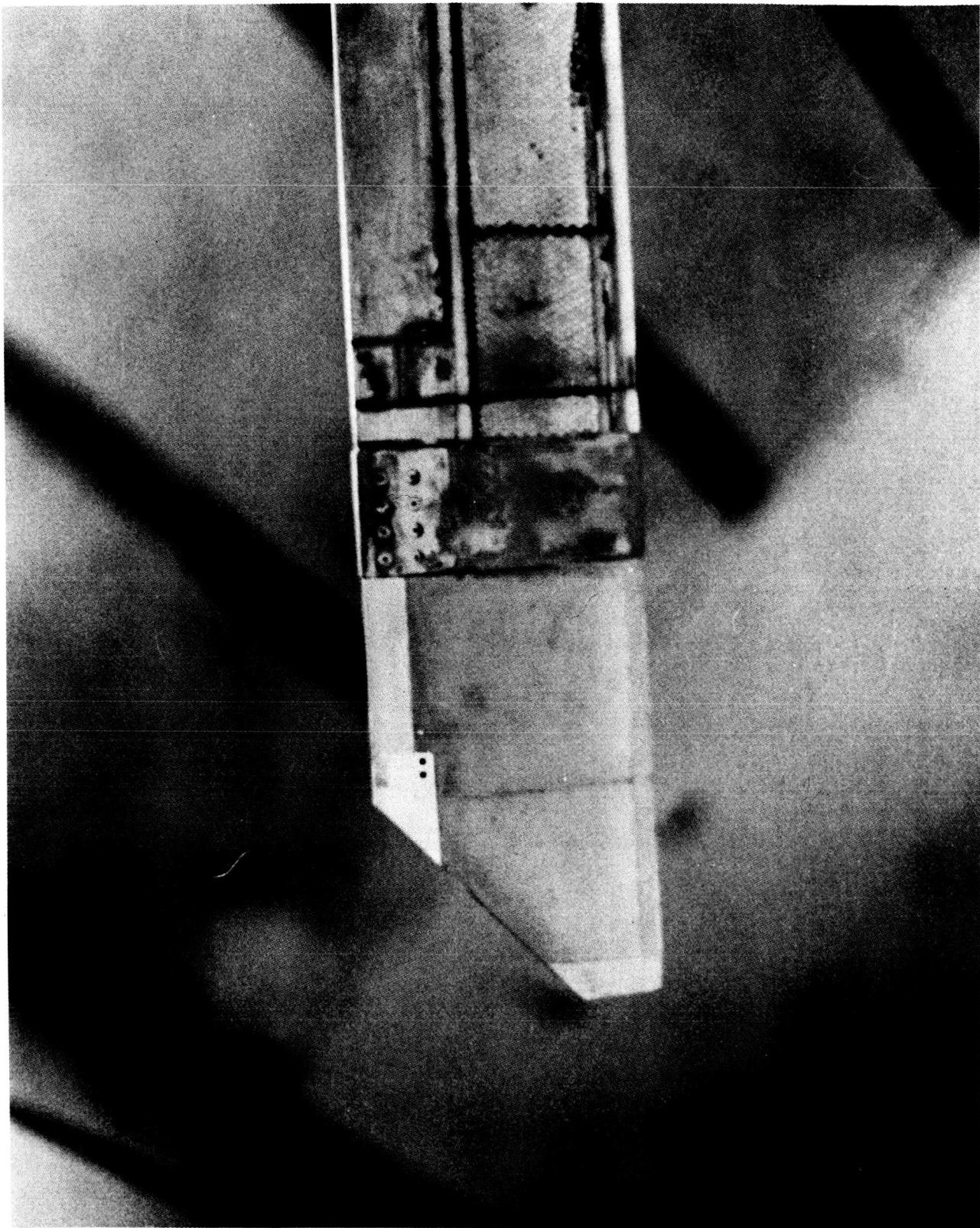
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(a) Close-up of free-tip on rotor blade.

Figure 7.- Free-tip on rotor blade.

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(b) Bottom view of free-tip assembly.

Figure 7.- Concluded.

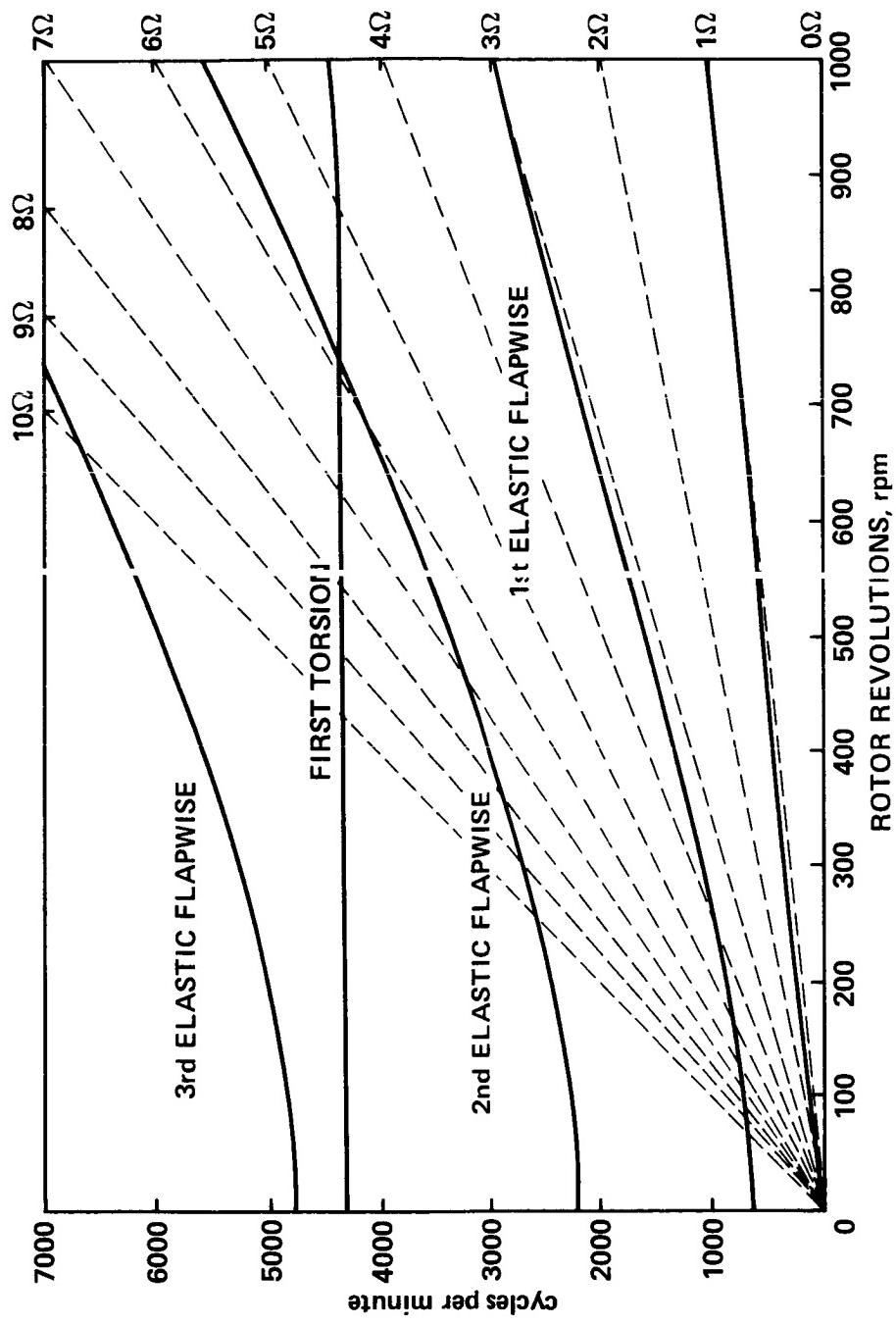


Figure 8.- Rotor blade natural frequencies.

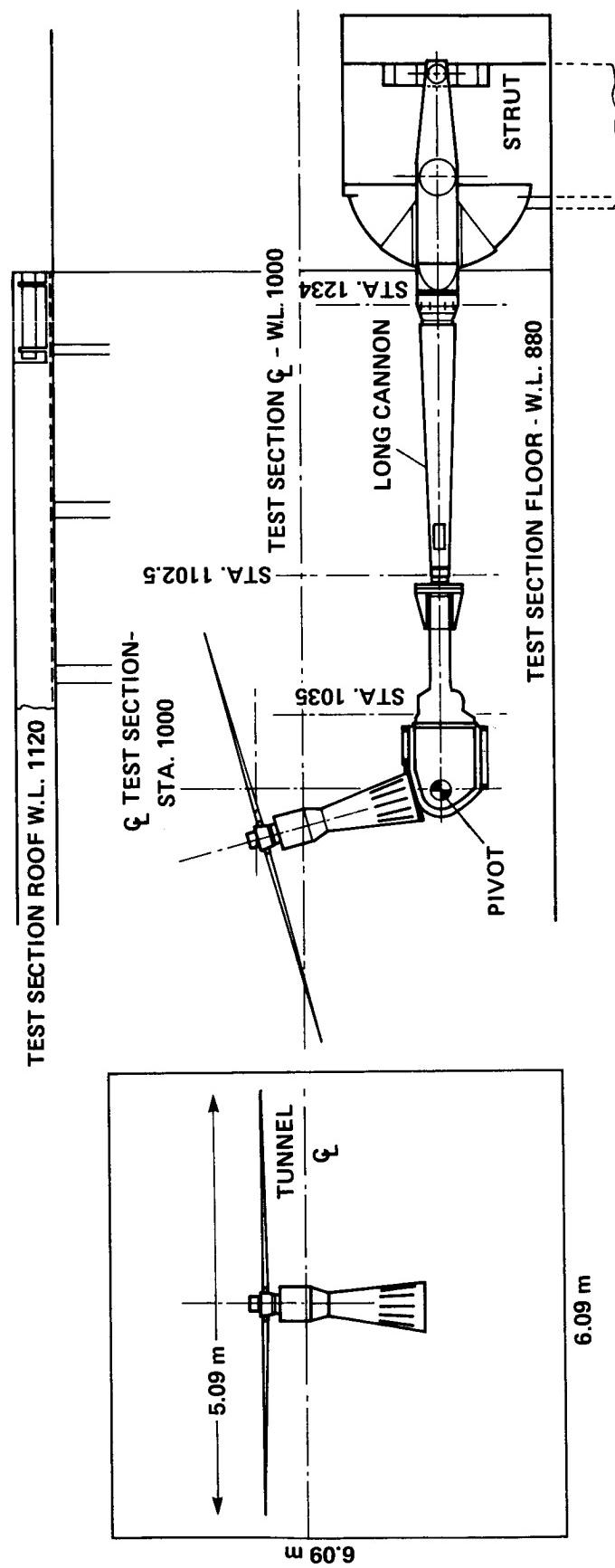
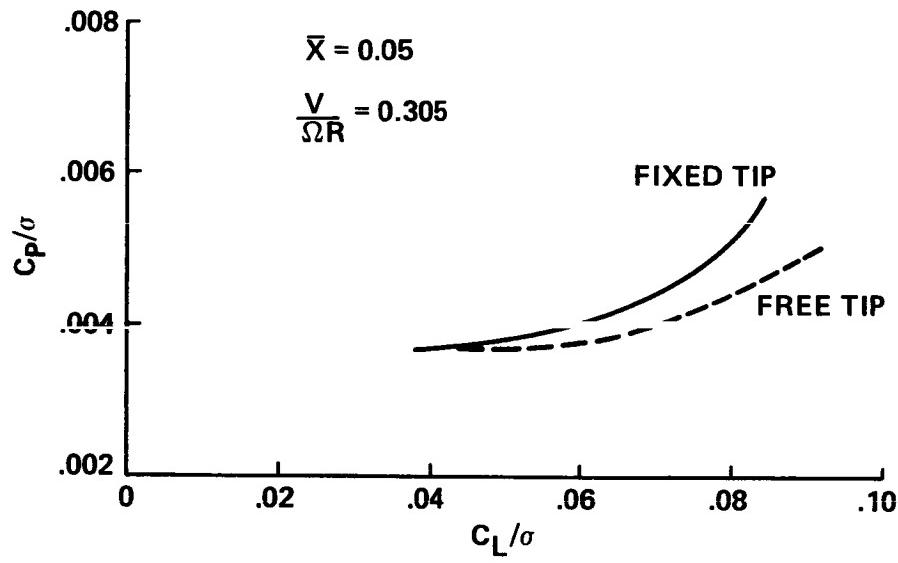
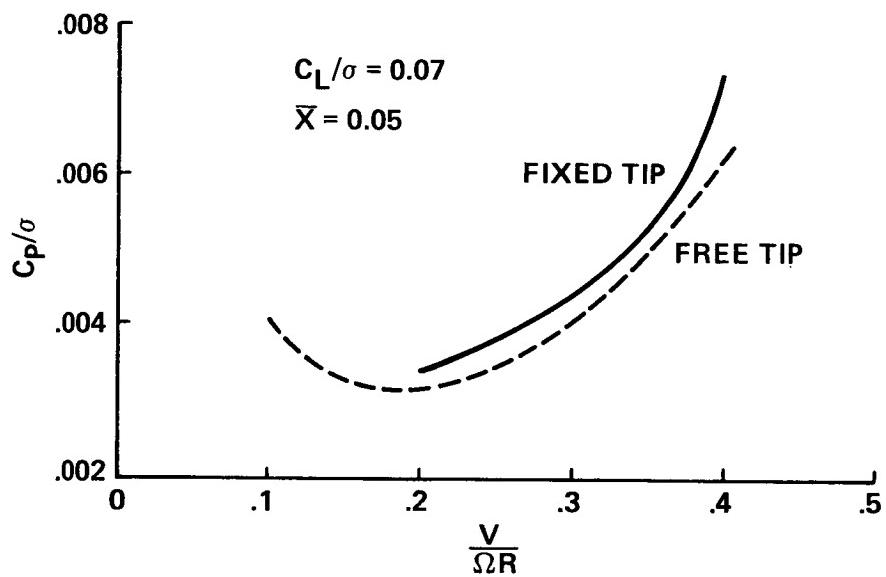


Figure 9.- Installation of rotor and test stand in Boeing Vertol wind tunnel.



(a) At various lift coefficients,  $V/\Omega R = 0.3$ , and  $\bar{X} = 0.50$ .

Figure 10.- Comparison of power required by the free-tip and fixed-tip rotors.



(b) Speed-power polar at  $C_L/\sigma = 0.07$  and  $\bar{X} = 0.05$ .

Figure 10.- Concluded.

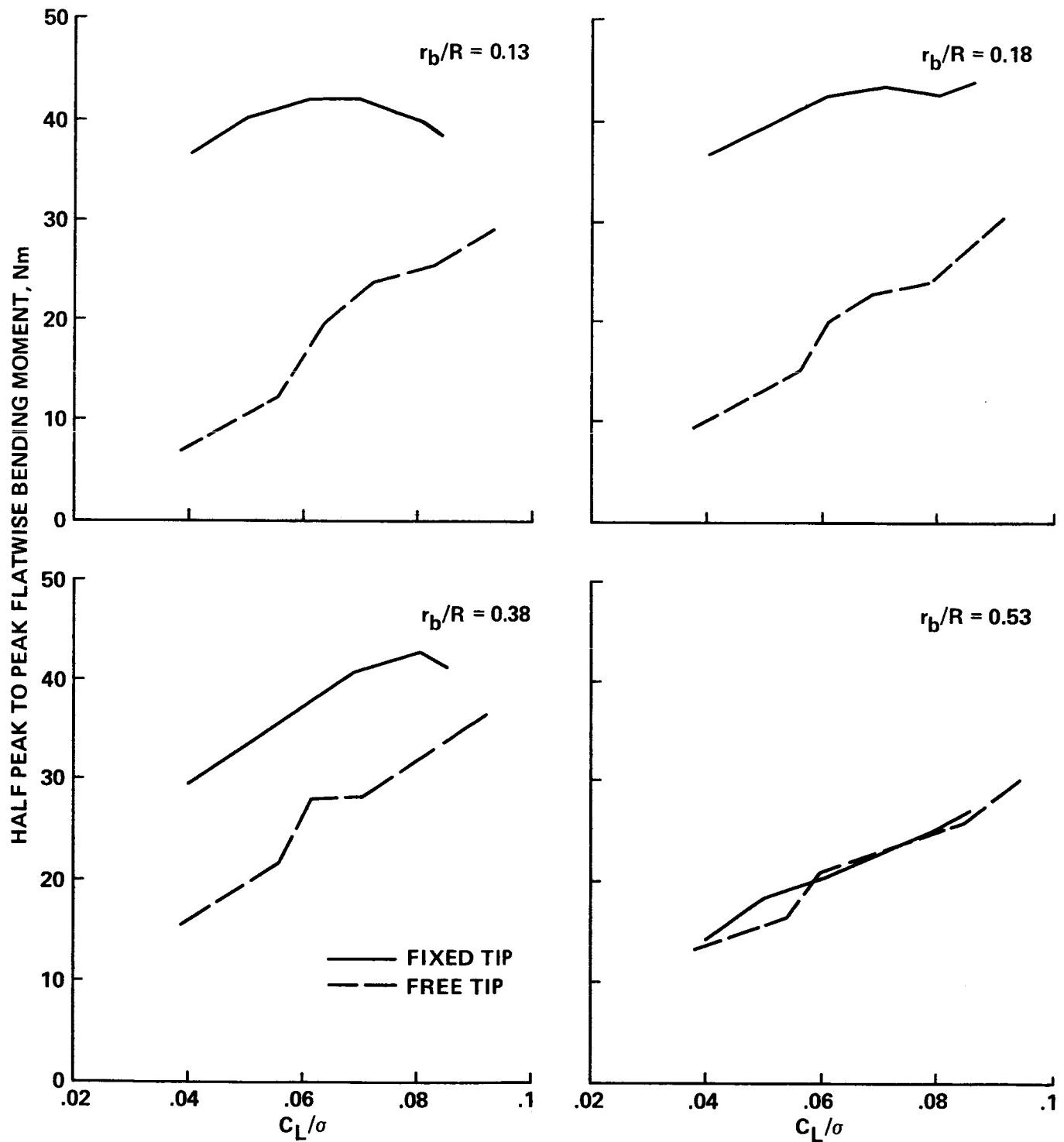


Figure 11.- Variation of the blade flatwise half peak-to-peak magnitudes with rotor lift level at  $V/\Omega R = 0.3$ .

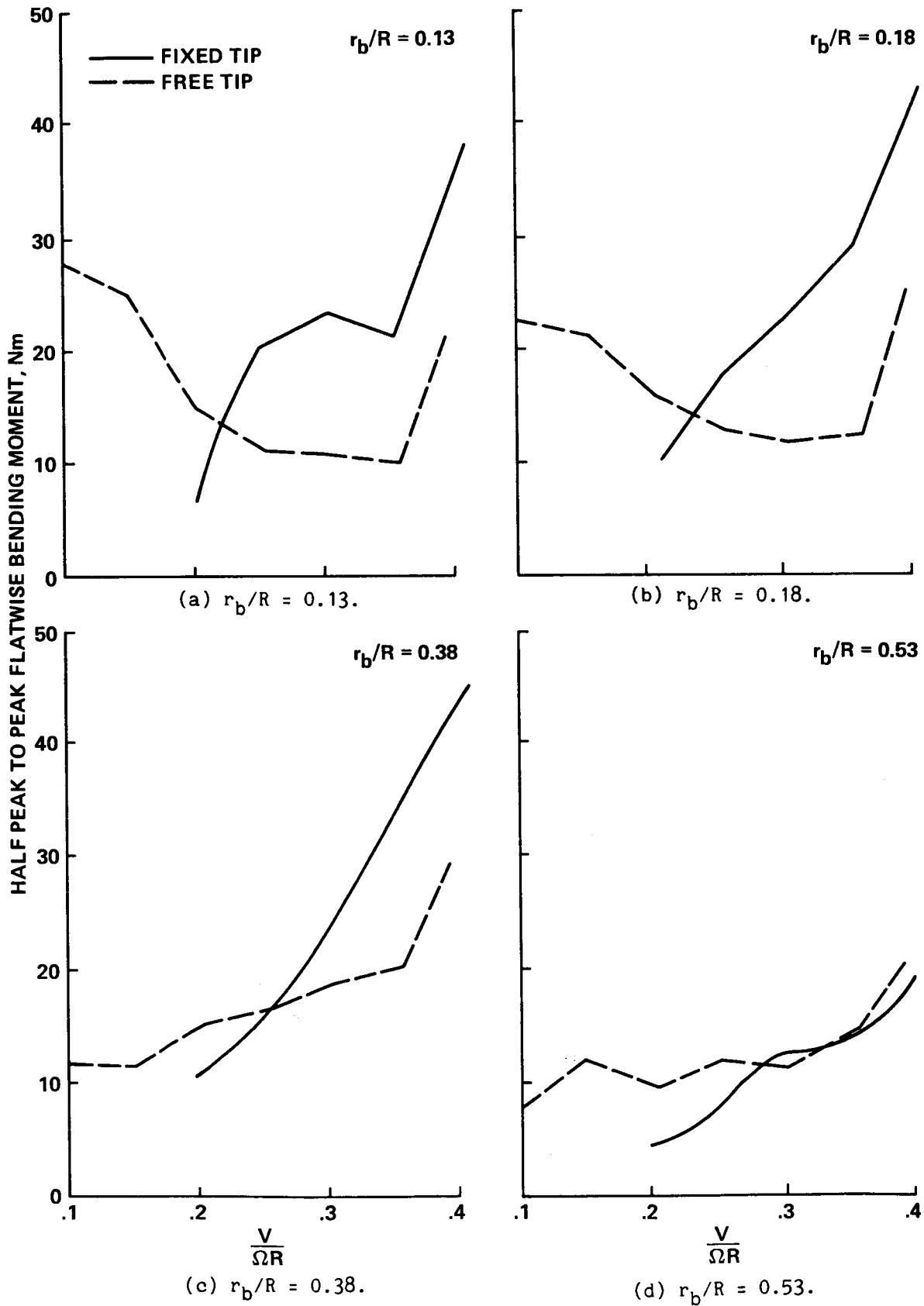


Figure 12.- Half peak-to-peak magnitude of the flatwise-bending moments at various blade locations for the free- and fixed-tip configurations.

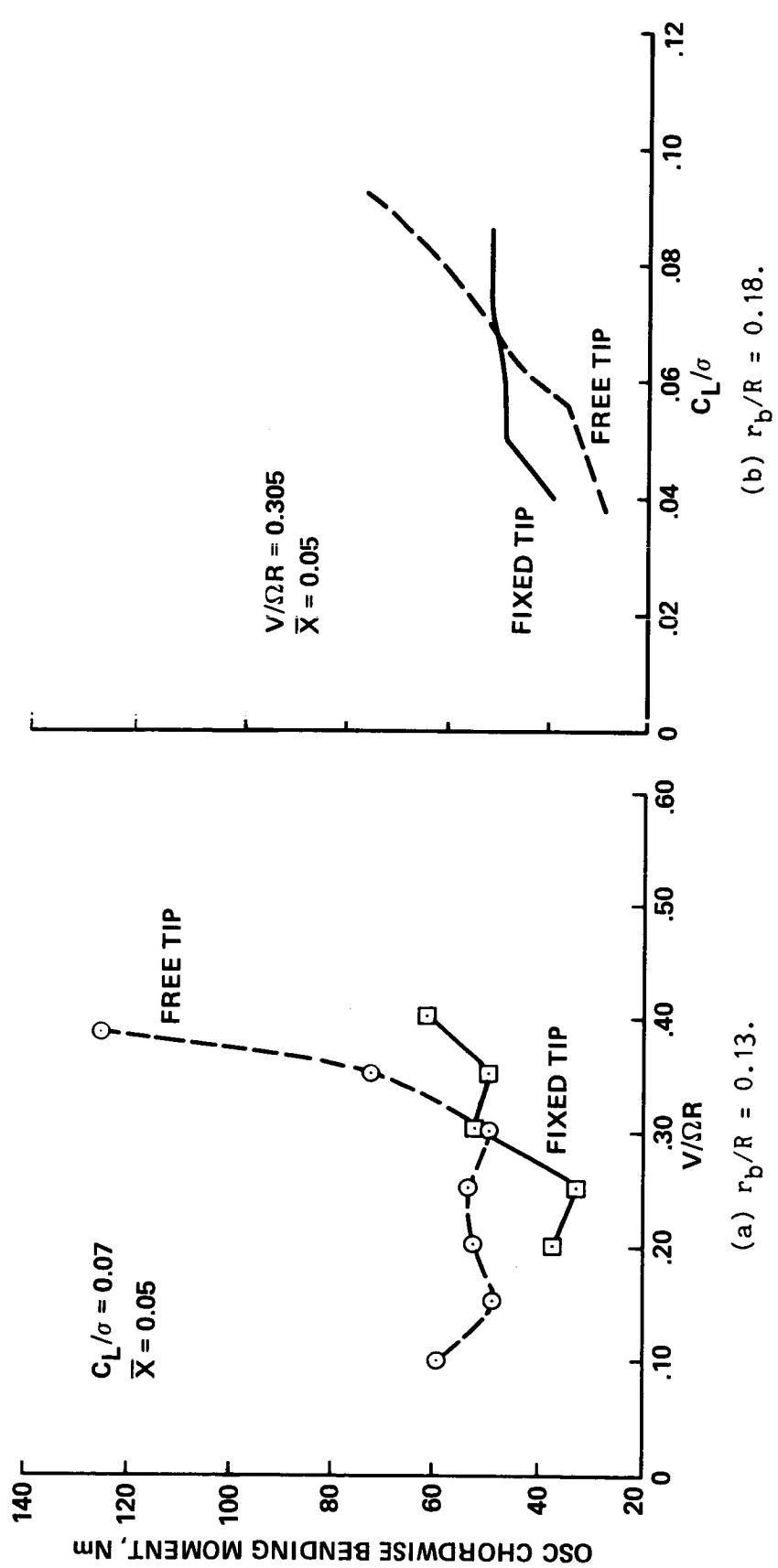


Figure 13.- Comparison of chordwise-bending moments of the fixed- and free-tip configurations.

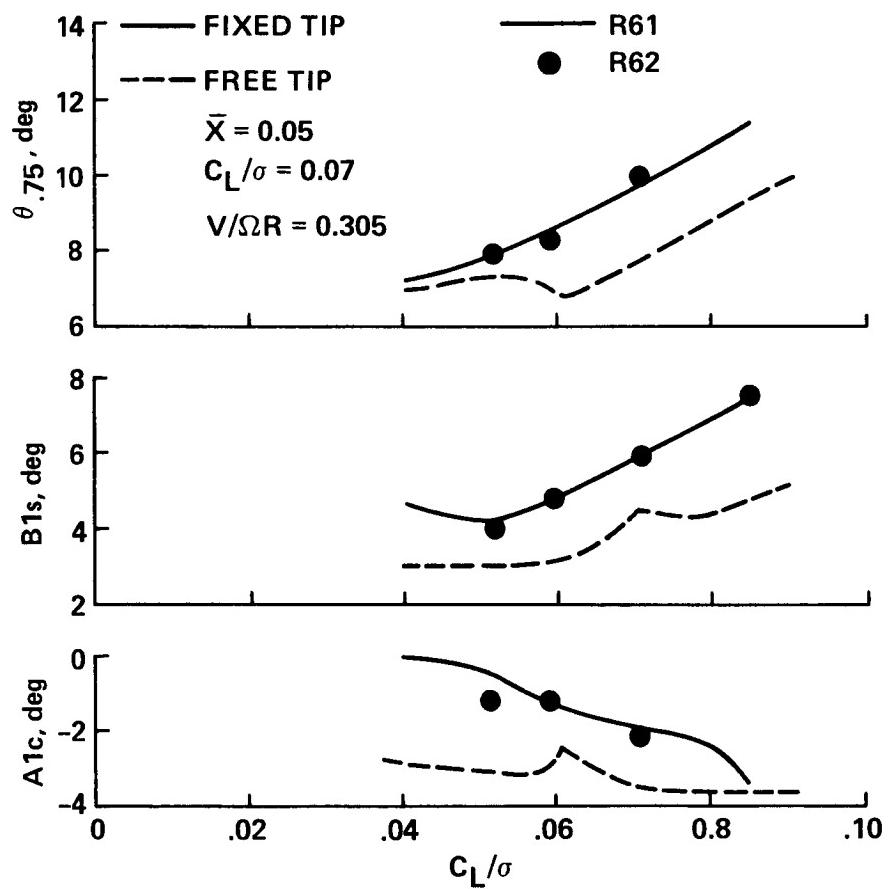


Figure 14.- Comparison of control setting for the fixed-tip and free-tip configurations at various lift coefficients.

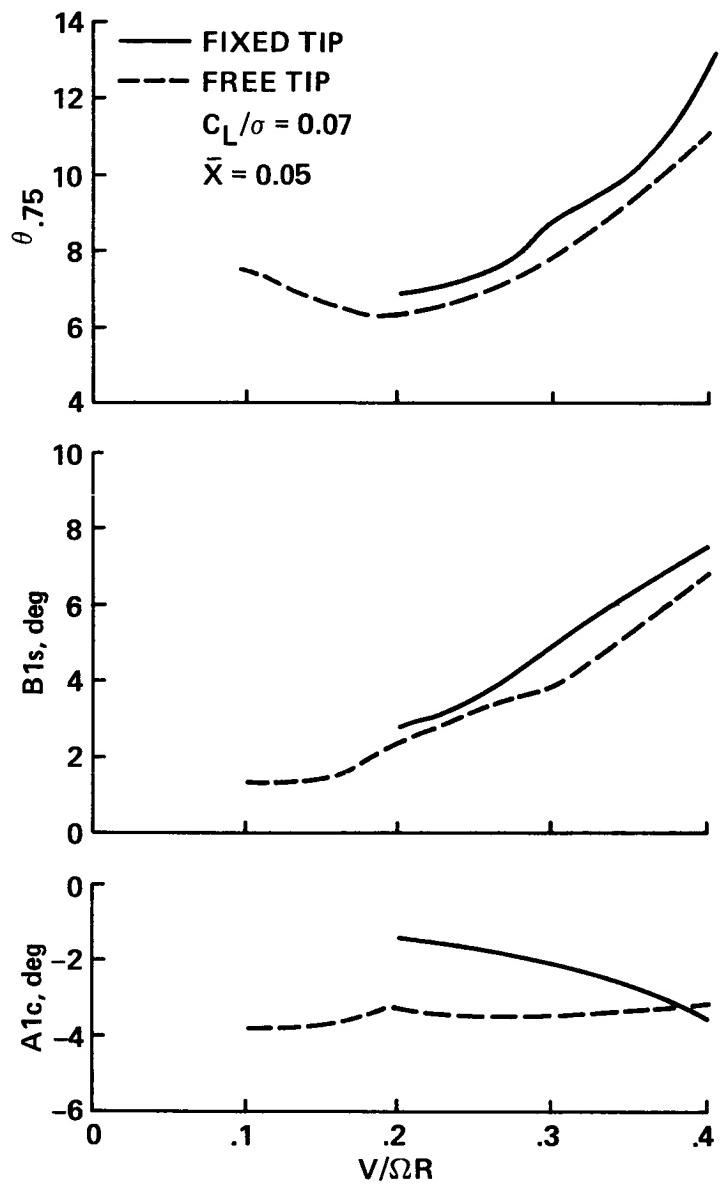


Figure 15.- Comparison of control settings for the fixed- and free-tip configurations at various advance ratios.

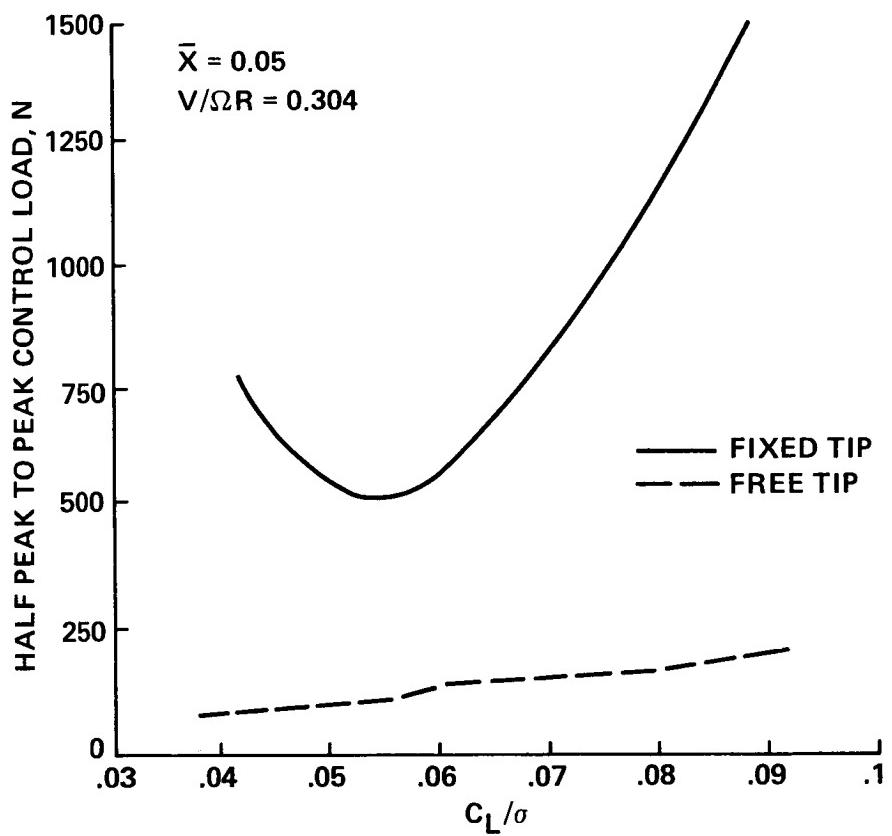


Figure 16.- Comparison of oscillatory loads going into the control system for the fixed- and free-tip configurations.

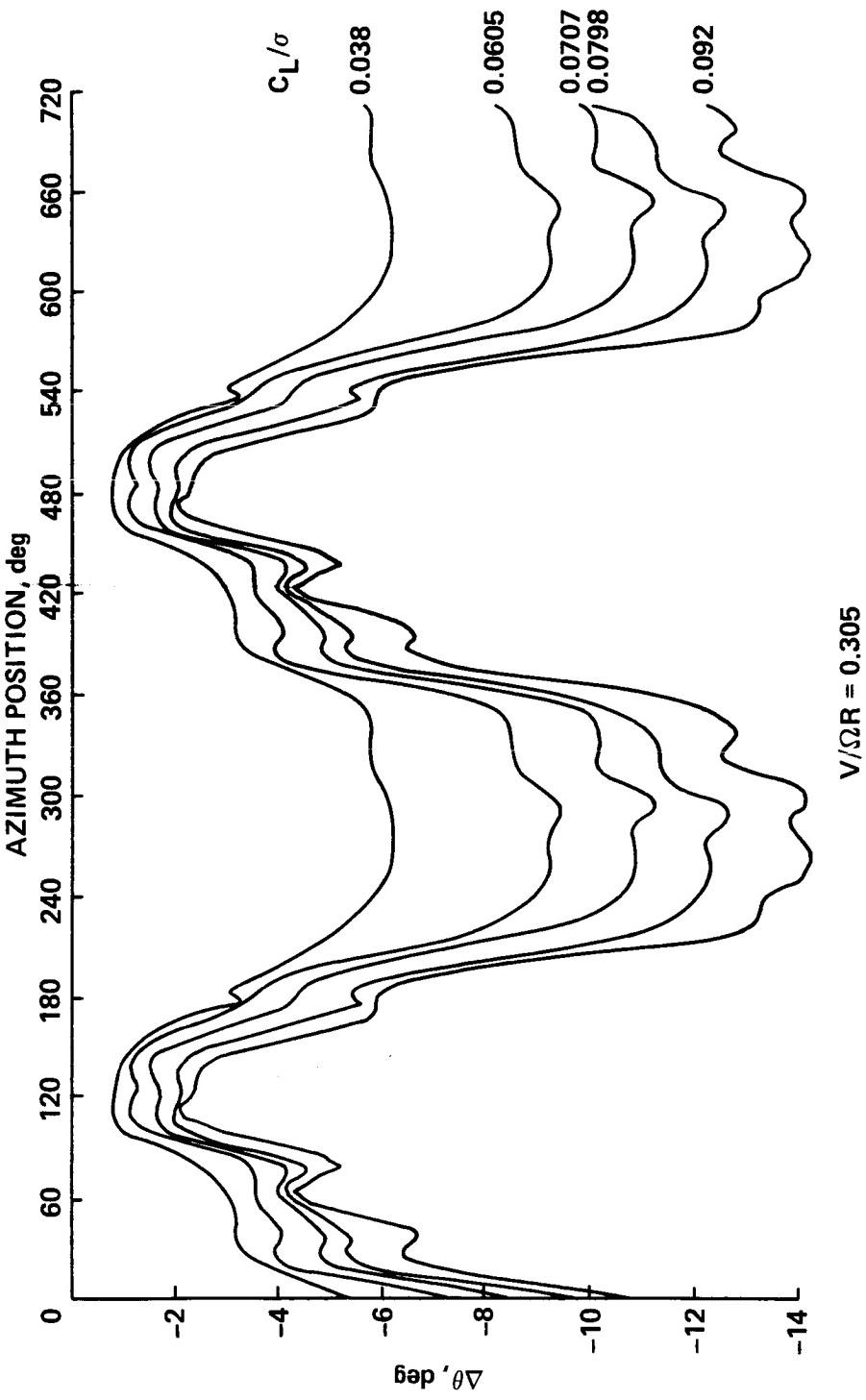


Figure 17.- Variation of free-tip pitch angle differential with rotor lift coefficient:  $V/\Omega R = 0.3$  and  $\bar{X} = 0.05$ .

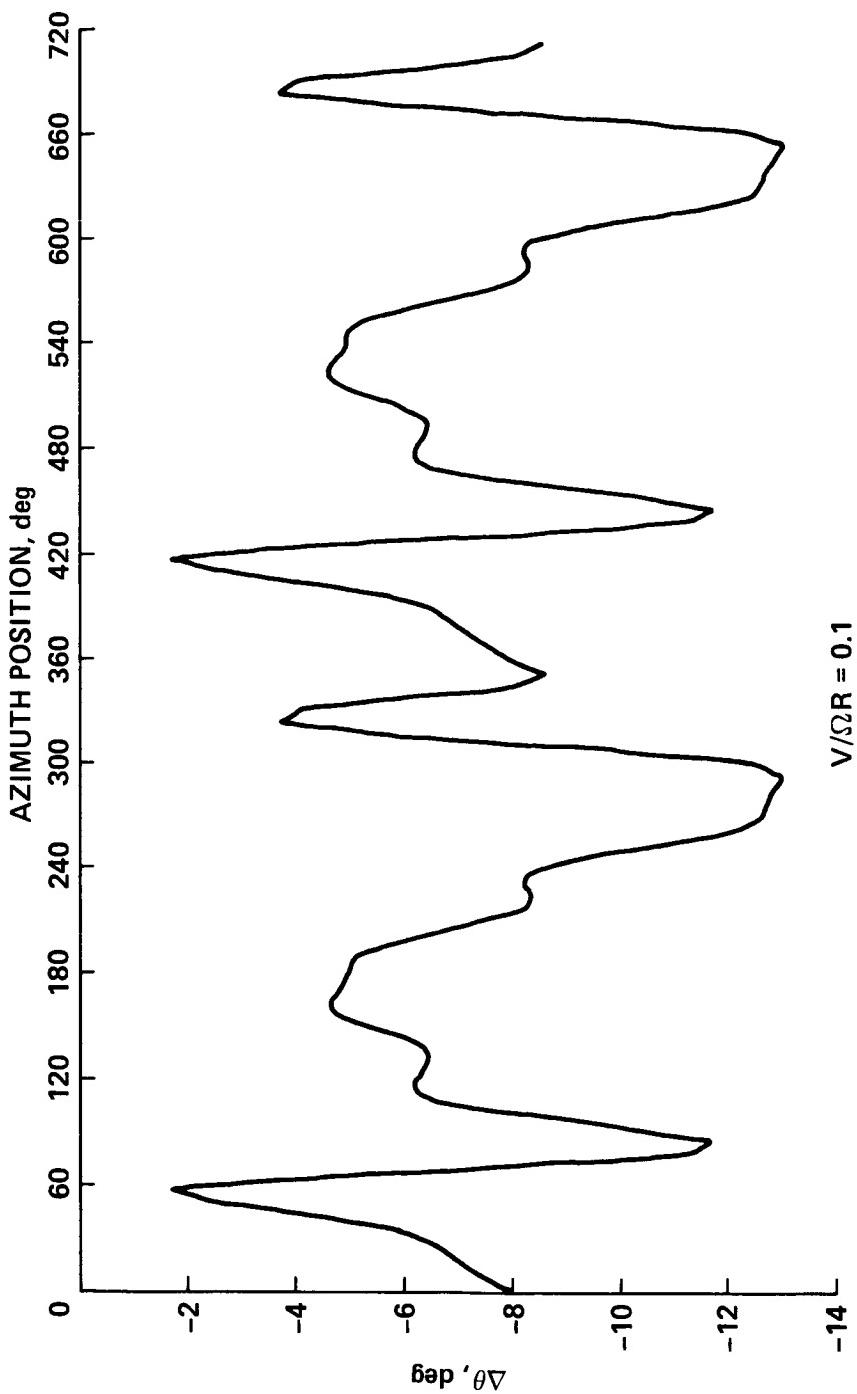
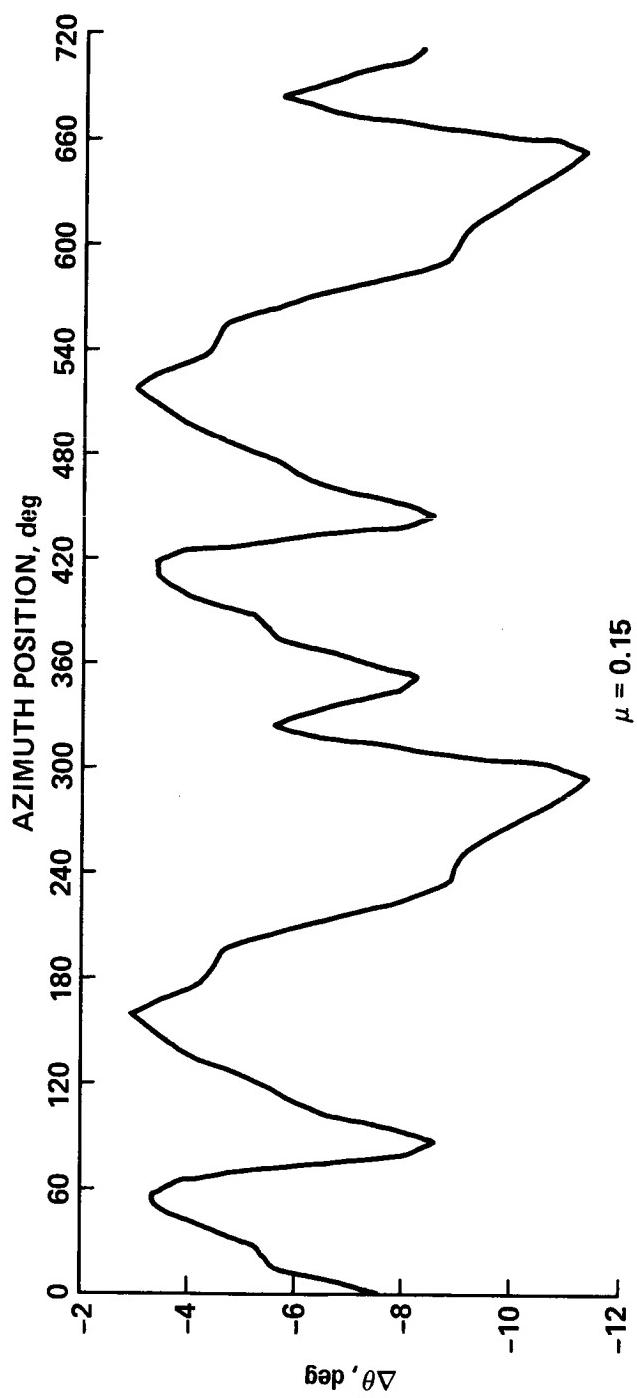


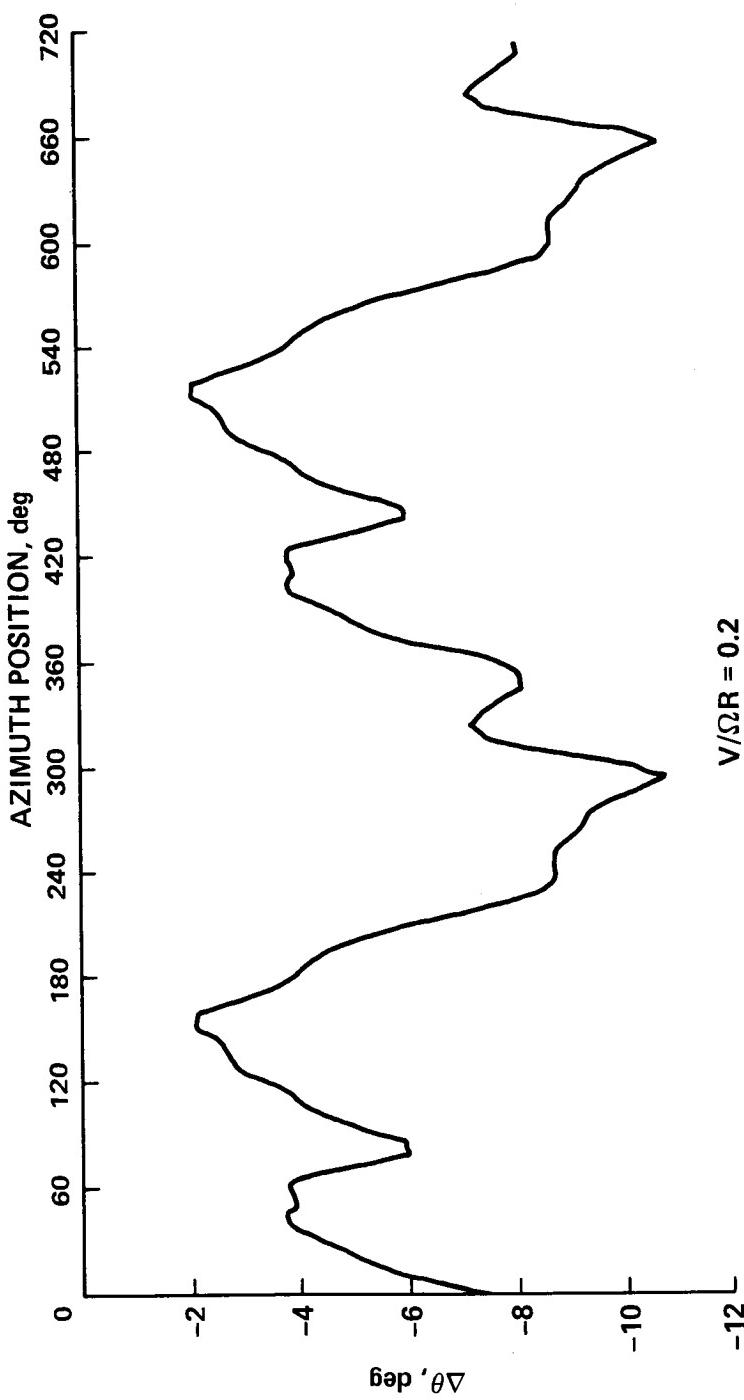
Figure 18.- Tip  $\Delta\theta$  waveform at  $C_L/\sigma = 0.07$  and  $\bar{X} = 0.05$ .

(a)  $V/\Omega R = 0.1$ .



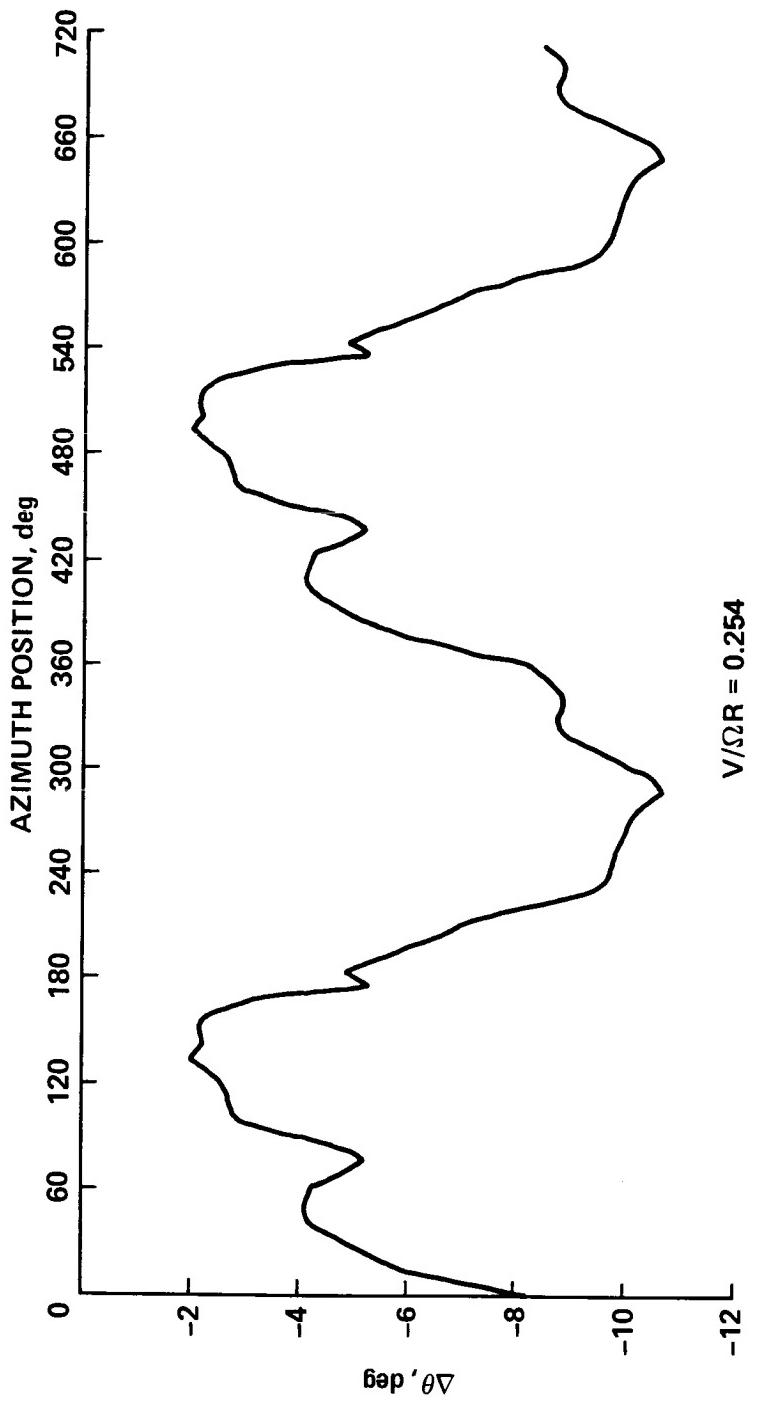
(b)  $V/\Omega R = 0.15.$

Figure 18.- Continued.



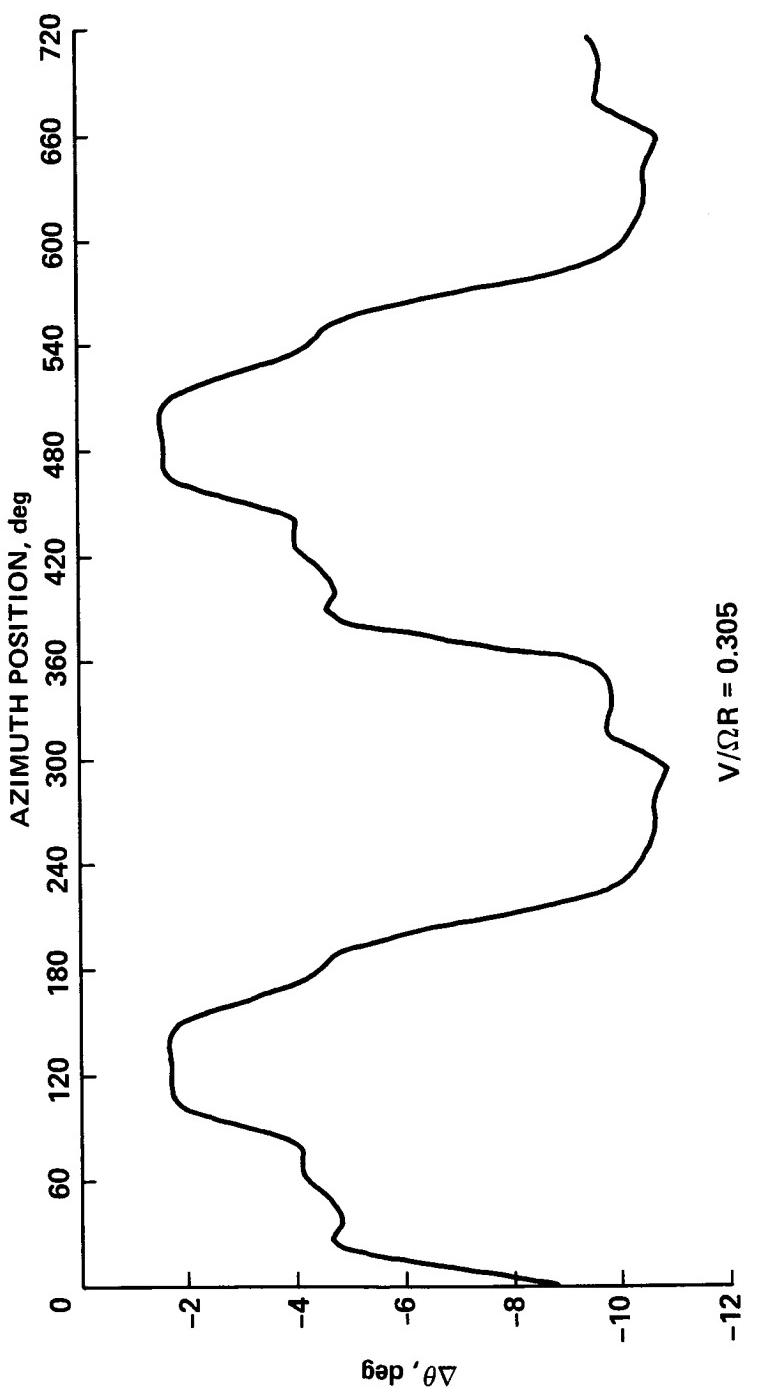
(c)  $V/\Omega R = 0.2$ .

Figure 18.- Continued.



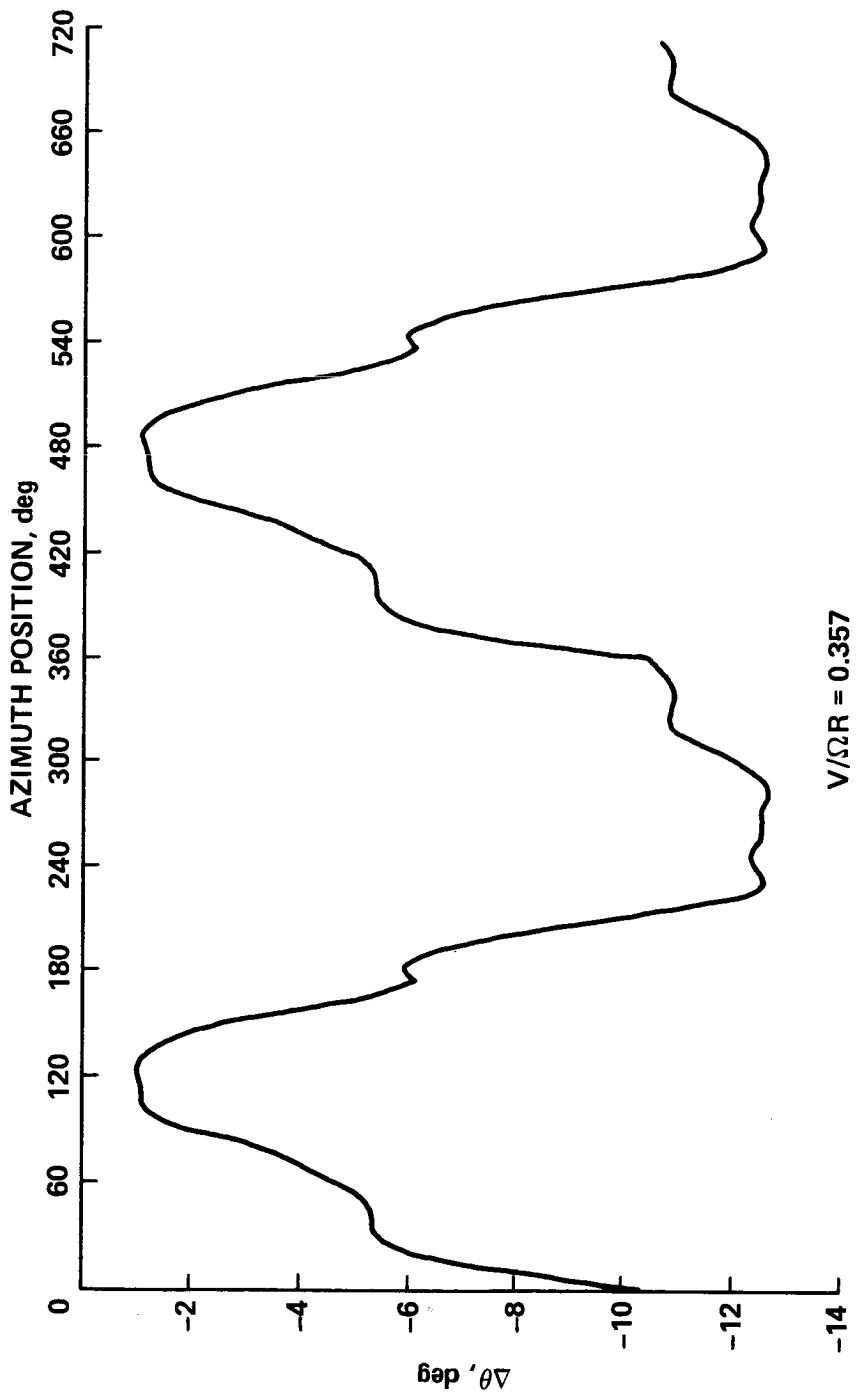
(d)  $V/\Omega R = 0.254$ .

Figure 18.- Continued.



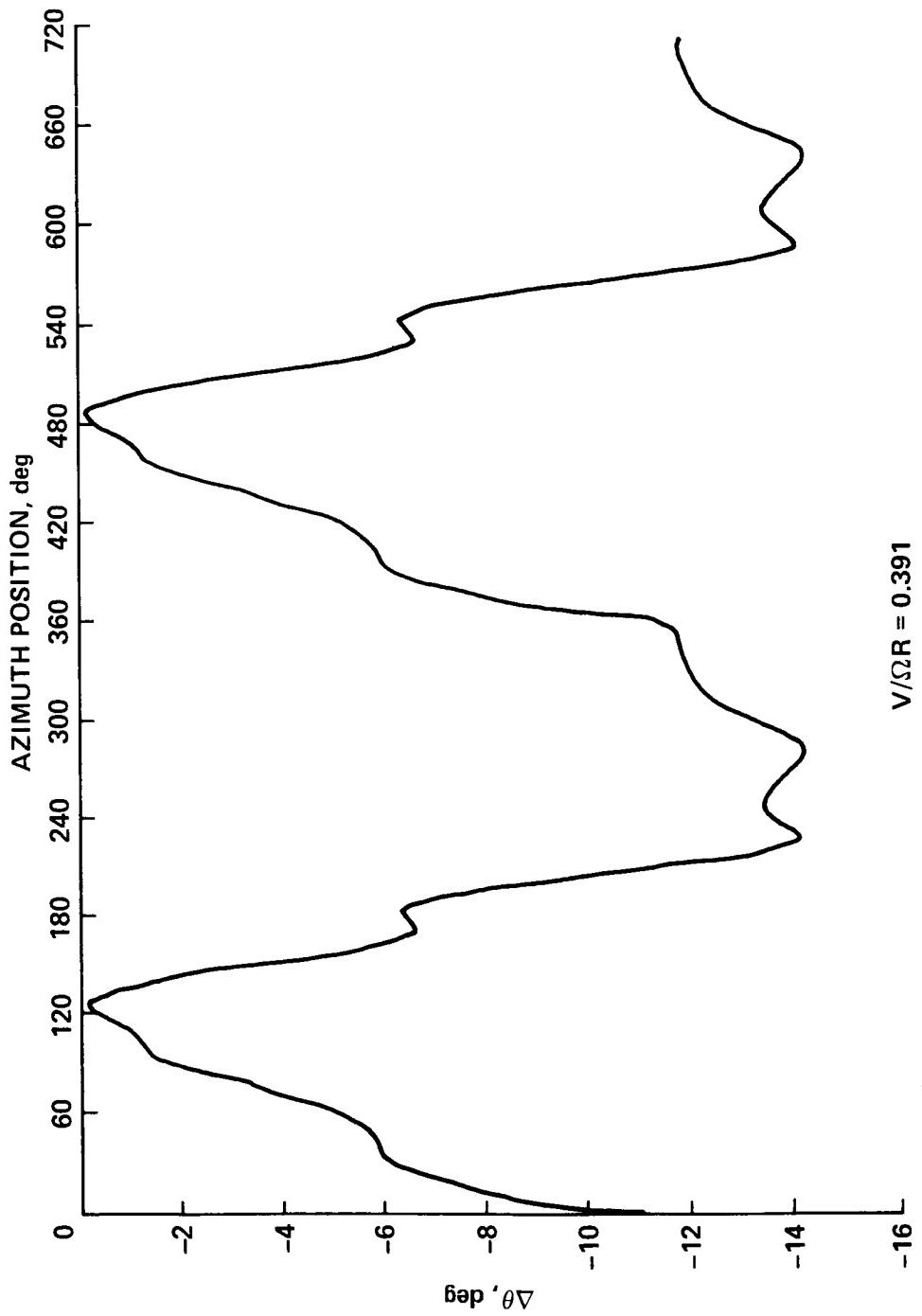
(e)  $V/\alpha R = 0.305$ .

Figure 18.- Continued.



(f)  $V/\Omega R = 0.357$ .

Figure 18.- Continued.



(g)  $V/\Omega R = 0.391$ .

Figure 18.- Concluded.

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9. Performing Organization Name and Address  Ames Research Center Moffett Field, CA 94035		8. Performing Organization Report No. 85266	
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16. Abstract  This report presents the results of a wind-tunnel test of the free-tip rotor. The free tip extended over the outer 10% of the rotor blade and included a simple, passive controller mechanism. Wind-tunnel test hardware is described. The free-tip assembly, which includes the controller, functioned flawlessly throughout the test. The tip pitch freely and responded to airflow perturbation in a sharp, quick, and stable manner. Tip pitch-angle responses are presented for an advance ratio range of 0.1 to 0.397 and for a thrust coefficient range of 0.038 to 0.092. The free tip reduced power requirements, loads going into the control system, and some flatwise blade-bending moments. Chordwise loads were not reduced by the free tip.			
17. Key Words (Suggested by Author(s))  Free-tip rotor Constant lift tip Tip shapes Helicopter rotor	18. Distribution Statement  [REDACTED]		
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